

ACAGATCTTG TAAACCAACA ACAAAACCTG GAGGAGAAGA TGCAGGAAGA CCGGGATAGC	180
CTGGTGGAGA CACTACACCG TCAGACTGCT GAGTATTCCG CATTCAAGCT GGAGAATGAG	240
AGGCTGAAGG CCAGCTTGC TCCAATGGAG GACAAACTCA ACCAGGCACA CCTCGAG	297

(2) INFORMATION FOR SEQ ID NO:1232:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 360 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1232:

GAATTCCGCC TTCATGGCCT ACGCAGCTCT ACCTGCTCCA GGGGCACCTG GACCTGTGTG	60
AGCAGCACTG TGCCATCCTC CTGCAGACTG AGCAGAACCA TGAGACCGCT TCTGTGAAGT	120
GGAAAACCTG AAGACATTCC TGCCCTCTT GAATTGGCCA AGAAGGTGTC TAGCCGGGTG	180
CCTTTGGAAC CAGGGTTCAA TTACTGCAGA GGTATCTACT GCTGGCACAT AGGGCAGCCC	240
AACCAAGCCT TAAAGTTCTT GAACAAGGCA CGCAAGGACA GCACTTGGGG CCAGAGGCC	300
ATCTACCACA TGGTGCAGAT CTGCTCTGAAT CCAGACAAAG AGGTTATGGT GCGGCTCGAG	360

(2) INFORMATION FOR SEQ ID NO:1233:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 423 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1233:

GAATTCCGCC TTCATGGCCT AGAAGGACTG AAATGATGTT ATACTAAGGG CTACTGAAC	60
TTTGCTGT TCTTCCAGG TGTGACAGCC TTTTCTTTTC TTTCCAGGTG GTTCGCTTG	120
AGGTGGCTCG AAGCCAAGGC CTGGCGGAGC TTCTTTGTGT GTCACCTTGC TTCCACGTTT	180
CAGTTCTTGT TTGTTTCTA CTGCTTTAGT TTTTTTTAAA GTCCTCCAGT GTCCCCAAGA	240
GGTATTAGAA TCTTGCTGTA CCCAAGCAAG ACGTTAATT TTCTTTAAC TGTTTTGGGG	300
AGGGAGGGAG TGATAGCTTA ACTGCTGAAG CCAGGCAGGG CTCTGCTGA GGATTCCAAC	360
AGAGAGTATT TCCTCCACTG TACAATGTCA CAGACTATCT CTATCATCAT TGCTTTGTGG	420
CAT	423

(2) INFORMATION FOR SEQ ID NO:1234:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 475 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1234:

GAATTCCGCC TTCATGGCCT AGCATGTAAA ACTTCAGTCC TGAACATTAA TAGGGTTTA	60
TAGAAGGGCA TCCTCCAGGG CTGGTCCATT CAGAGAAATG CTGCATGCTG CCGTCATGGA	120
ATGTGGCCA CAGGACACCA GAGCCGTGAG AACCGGAGAG CAGACTTCCC TCACGGCTGG	180

GCTGAGCAAA	CCCTCCAAAG	CCCTCCTCAC	GCAGTTACTA	ACAATAGCAT	GGGCTTACAG	240
CACAAGCAGC	TGTTCTCACC	TTTTCTCTAT	GCCCTGGACT	AAGGTTTGGC	CAGTGTAAATC	300
ATATAAGGCC	ATCCTGACAT	TGTTTCTGTG	TTTCAAAATT	TGGATTTTA	TTTACATTAG	360
AACTACATTG	CTCCTAGTAG	AACATTACCT	TTAGGGACT	AATTTCAT	GGAGAACTAT	420
TTCAGCATAT	TGCACTGCTGC	TCAGACCCCA	AGTCAGATAT	GCCCACAAGC	TCGAG	475

(2) INFORMATION FOR SEQ ID NO:1235:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 301 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1235:

GTTTGAGGCC	TAGTAGCACT	ACCTTCCAAG	TGAGTCACAA	CAAATTGAT	CCTATTTGGT	60
ATGTTTTGTC	CCACTGTTAT	GATTNATCAT	GTATCTTACA	AGAGCCACTC	AAGCAAGACT	120
CTGCTTCTAT	GTATGGTGAG	GCCTNGTTGT	TCTAGGCTAG	AATAAACTCT	TTGTATGCCT	180
CATTGAATAT	GCCAGGTAAA	ATTTATGCAG	TCAAGAATGA	ATTATTTTTC	TGACTAAAGT	240
GTGTAGCAGT	AGTCAAAAT	TGTGCCCTG	TTTTAACAGT	TTCTGTCNAC	ACCTTCTCGA	300
G						301

(2) INFORMATION FOR SEQ ID NO:1236:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 346 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1236:

GAATTCGGCC	TTCATGGCCT	AAGAGAAAGAT	AACATTACA	AGTAAACAGT	AAGTGCATT	60
GTATTTAAAT	TTCTTGGTCT	CCGAAACTC	AGCTGTGACT	GCTTCCATT	AACAGTTCCA	120
GCTCTATGTG	TTTCTCTAA	CGCTAAAGGC	ACAGCCCCG	GGAATCTACT	GCTTCTTAAG	180
AGTCTCCATG	GACTCTATT	TACAACCTCC	TTTCCCTCCA	TGCTTCCGGG	GAGGAGTCTA	240
TACTATCTCT	ATATACACAT	TTAAACATT	ATTCTTCATT	TGAAATTCCCT	TCAATAAAAA	300
CACAGTCACC	ATTCTTCATC	TTCTTGGAA	ATGGCCTGCT	CTCGAG		346

(2) INFORMATION FOR SEQ ID NO:1237:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 355 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1237:

GAATTCGGCC	TTCATGGCCT	ACTCACTATG	TTGCTCAGGC	GGATGTGGAA	CTCCTGGGCT	60
CAAGCGATTC	TCCCTGCCCTTG	GCCCCCAAAG	TGCTGGGATT	ACAGGTGTGA	GTCATGGCAG	120
CCACGGCTCC	AGAGCTCGGG	TTCTTAATCT	GGTCTGTGGA	TGGCCCTG	GGGGGGTCCC	180

ATGAGCCCT CACAATTGGA CACAGTTTG CAAAGGGTA AAAGGACAAG AATCGGTAGC	240
TGTGACTGTG GATGAGCCTC TGAGCTTCAC TTTCCCTCCC TGAAAGGGGG TGACAGTGGC	300
ACCTCCCTGG AGGTTTTCGT GGAGGGGAGG AAACACATGT AAAATACTTC ACCCC	355

(2) INFORMATION FOR SEQ ID NO:1238:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 560 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1238:

GAATTCCGCC AAAGAGGCCT ACTAGACCTG ATCACCACTG TCAAAAGTTG GCTTTCTCCA	60
TTTTAAGTTC TTCCTTAAAG CCTCTTTAAG CAAAGTCCCT GAAATGATAC AGTAGAAAAAA	120
TCACACAGAC TTATTTAAA TGAATTCTAT CACTATTCTC GAGATCTCGC CTGCCCACT	180
GAGGACATTG TTGTTTCGCA AAGTGCTTG AAATGTGATA AAGGATCTTA AAGAATATTT	240
GTAAAATTAT GCCCCAAAGAA GACATTCTT GAGGTAACT TGCACTGTCT AAAAGTCAAG	300
AATGAGGAAG GAAAGGGAAA TAACAGATTC ACTTTAAAT GGACCAAGCT AATTGGGAG	360
TGAAACATCC TTGTGTCACA CCATTTACCG TAGCAGACCA GAAGAGGGAA AAGGCTTGAT	420
TTTTCTCTCA TAGATACCAC AGTTCACTCT CAAAAACATT CCTAAATGG ATTGATATTT	480
CTCTGATAGA GCACCTGTT TGCTACTGAC AGTGTAACT TCCATACTAA TCAGCTCATC	540
TAGCCCTAACG ACAACTCGAG	560

(2) INFORMATION FOR SEQ ID NO:1239:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 569 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1239:

GAATTCCGN NC AAAGAGGCCT AAGGAGAANG AGGCTCAGAA GGAGACGATT AAGGATCTTC	60
CCAAGATGAA CCAGGAGCAG TTCATTGAGC TGTGCAAGAC GCTTTACAAC ATGTTCACTG	120
ANGACCCCAT GGAGCAGGAC CTGTACCAAG CCATCGCCAC CGTGGCCAGC CTCCCTGCTCC	180
GCATCGGAGA GGTGGGGAAAG AAGTCTCAG CCCGCACAGG CAGGAAGCCC AGGGACTGTG	240
CCACTGAGGA GGACGAGCCA CCAGCACCCG AACTGCATCA GGACGCGAGC AGGGAGCTTC	300
AGCCCCCAGC TGCAAGGAGAC CCCCAAGCCA AAGCAGGGGG AGACACACAC CTCGGAACAG	360
CCCCCACAGGA GAGCCAGGTG GTGGTGGAGG GGGGCAGCGG CGAGGGACAG GGCTCACCC	420
CCCACTGCT GTCTGACCAT GAAACCAAAG ACCACATGTC CATGTCCTCC TACTCGGTGG	480
TCAGCACGGG CTCCCTGCAA TGTGAAGACCC TTGCAGACGA CACGGTCTG GTGGCGGGGG	540
AGGCCCTGAG CCCCCACAGCG CGACTCGAG	569

(2) INFORMATION FOR SEQ ID NO:1240:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 405 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1240:

GAATTGGCC	AAAGAGGCCT	AGAGACCAGC	CTGGCCAATA	CGGTGAAACC	CTGTCGCTAC	60
TAAAAATACA	AAAATTAGCC	AGGCATGGTG	GCTCACACCT	GCAGTCCTAG	CTACTTGGGA	120
GGGTGAGGCA	GGAGAATCAC	TGAAGCTTGG	GAGGCAGAGG	TTGCAGTGAG	CCAAGATTCC	180
ACCGCTTCCC	TCCAGCCTGG	ATGACAGAGT	GAGACTCCGT	CTCAAAAAAA	CAAAAAAAA	240
GTTACTTCAA	TAATGTACTT	TTTTTTTCA	AATTACAGAT	AATCTATAAG	GAATTAATCT	300
TGAAATTAAT	TCCAGGTTTA	ATTGTTAATG	AAATTCACA	AGCCTAATT	AACACTTGTC	360
TGGATAACTC	ATTTGATAC	TGAGTAAATA	GTCACCGGTC	TCGAG		405

(2) INFORMATION FOR SEQ ID NO:1241:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 542 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1241:

GAATTGGCC	AAAGAGGCCT	AGGGCTTTG	TGAATAAATT	TTAAAAGAGA	CTACTGCCTG	60
TCCCTAAATT	CCTTTTCTT	TTTATAAAA	AAGAACTATT	AAAATGATT	GACAAATT	120
GAGTTAAAAA	ATTGTTAAA	CATTCTCTAT	ATTTAATTTC	AATTTTATAA	TAGATTACAG	180
GAAGATGCTT	ATGAAACAAA	TACATTTGTT	TCAGTACATG	TCTTTAATG	ATAGACTTAT	240
AAGTATGTAA	ACAATCTAT	ATAAAAAGGT	TTCCAAACGC	TGCCTGTAAAG	AAATCAGGCA	300
AATTTCACCA	TAAGCAATAA	ACCATTCCAA	GCCTTCCAGA	CAGTCTCCAT	AGCCCAACCA	360
GCATGGCAAT	AAGCTTAAAC	CAAACGAAAA	CAAACAAACA	AAAGCACTTC	GCAATTGTT	420
GCTGAAAAC	AGGGAGAGAA	AAGAGTGTAC	AAACTTGATG	GAATCACAAC	AGTCAATATA	480
ATTTAAGGGA	CAATAAAGTC	ATAAAGTTG	ATGGTGTAA	TTGTTAAAAA	AGTTAGGCCT	540
CT						542

(2) INFORMATION FOR SEQ ID NO:1242:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 370 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1242:

GAATTGGCC	AAAGAGGCCT	ACTGATACAA	TTGTTGACTT	TTCTTTTACT	ATGTGTAAGA	60
AATACCCCAA	ACATGAAAAG	ATTGTTTTGA	TCATATGCAT	GTATGTAGAA	TATTTTGCA	120
GAGCAGAAAG	ATTATGTTAG	AAGTGTGATT	TTTATTTC	GAAGTCATAT	ACATGTAAGC	180
TACAATTTC	AGTGCTTTAT	AAACACTTAA	GATATATATA	AAATTTAA	TTTCATAGCA	240
ACTTGTTAAA	AATAAAATAC	TTGTTGAAAA	GCCTTTTCA	ACATATCCCT	AAGCTAAGGG	300
AAGAGGAAGG	AATAACAAC	CAGTGAAAG	ATGGTCTCCA	GTTCCTGAAT	AAAAAGCTA	360
CAACCTCGAG						370

(2) INFORMATION FOR SEQ ID NO:1243:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 374 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1243:

GAATTCTGGCC	AAAGAGGCCT	AGCCTCATCA	CGGGCAGGGC	TCTGGCCAT	AGTGGCTGGA	60
CAGACACTGG	CACAGTCCTG	CTGGCTCTGCT	GGGAGCACAC	AGACATTGGC	ACAGACTTGC	120
TGGCTCTTG	GAAGAGGGCA	AGACCCAAA	CCAGAGCAAA	ATACACTTCC	AGCTCTTAAC	180
CAGGCTCCTT	CCAGTCACAA	GTGTGAGAA	TCAGAACAGA	AGTAGTACCA	ATCAATGTCA	240
CATGAACAAA	CAAGCTGCC	CCAGGGTACC	ATTTGGGAG	GGGAAATCTT	TTCCTTCTTT	300
CCCCCTTAAA	AAAAAACACA	TCTGCCCCGA	ACACTTCCC	ACTGTTATTC	TTTCCTCATA	360
CCCCAACGCT	CGAG					374

(2) INFORMATION FOR SEQ ID NO:1244:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 468 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1244:

GAATTCTGGCC	AAAGAGGCCT	ACACACAAA	CTGATTATCC	ACCAGACACT	CAGCGTCTTA	60
GAAGATATTG	TGGAGAATAT	CTCGGGGAG	TCCACCAAGT	CTCGACAGAT	TTGCTACCAAG	120
TCGCTGCAGG	AATCTGTTCA	GGTCTCCCTG	GCCCTTTTC	CAGCTTTTAT	CCATCAGTCA	180
GATGTGACTG	ATGAGATGCT	GAGCTCTTC	CTCACTCTGT	TTCGAGGCCT	TAGAGTACAG	240
ATGGGTGTGC	CTTCACTGA	GCAAATCATA	CAGACTTCC	TCAACATGTT	TACCAAGAGAG	300
CAGTTAGCCG	AGAGCATCCT	CCACGAGGGC	AGCACAGGCT	GCCGGGTGGT	GGAGAAGTTT	360
CTGAAGATCC	TGCAGGTGGT	GGTCCAGGAG	CCAGGCCAGG	TGTTCAAGCC	CTTCCTCCCC	420
AGCATCATCG	CCCTGTGCA	GGAGCAAGTG	TATCCCATT	CGCTCGAG		468

(2) INFORMATION FOR SEQ ID NO:1245:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 444 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1245:

GAATTCTGGCC	AAAGAGGCCT	AAGCTTATGG	GGAGGACACA	TATTTACTCA	AAACATCCTGG	60
CAATTCTAT	CTAGGGCACT	CCCTCTGTGT	GTCAGACGCC	CTTGCAATGTG	TCAAATGTCA	120
TCTGATAACA	TTGATGAAAA	ATATCATTCA	CTTCTTCTTG	GTGAGAAGG	CATAGACCGG	180
ATTATGCAAT	CACTGAGAAG	TAGCTTCTGG	ATGTGTTTC	TGGTGGCGTC	TTAACAAATT	240
CAGCCGAETG	AAGGCTTCTG	GACACTTGGA	ACATTTGTAG	GGTTTCTCTC	CGGAGTGGAT	300
GCGCTGGTGC	TCCCTCAGGC	TCCCCCTGTA	GGTGAAGAACT	TTCTTGCAGT	CTTACATT	360
GAAGGGCTTC	TCCCCCTGTG	TGGCTTCTCT	TGTGACACTT	CAAGTAGGAC	TTCTGGGTGA	420
ACTGCTTAGG	CCTCTTGGC	CGAG				444

(2) INFORMATION FOR SEQ ID NO:1246:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 431 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1246:

GAATTCCGCC	AAAGAGGCCT	AGTATTTGT	ACTAGTTTT	TAATAATTAT	AAGTCTTACA	60
CGTTCTCTAA	TTCTCTTGA	ATCTGTTAA	TTTTCTCCC	TTGGGAATTG	TTAAGTGTAC	120
ATGTATTGTG	ATAACTGCTA	TAATTTGCT	TTTATTGATT	TTTTTTGCTT	TATATCTGCT	180
ACAATTGGT	TCCTCCAAAT	CCCATGTTGA	AATCTGATCC	CCAGTCGTGC	TGGGGATCT	240
AATAGCAGGT	GTTGGGTCA	TGGGAACAGG	TCCCTCATGA	ATGAATTAAAT	GCCCTCACTG	300
GGAGGAGGGG	ATAAGTAAGC	TCTCACTCAT	TTAGTTCCC	AGACAGCTGG	TTGTTAAAAA	360
GAGCTAGTG	CCACTTCTCT	CTTGCTTCCT	TTCTTGCGT	GTGATCTCG	CACATGCCAG	420
CTCCCCCTCGA	G					431

(2) INFORMATION FOR SEQ ID NO:1247:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 389 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1247:

GAATTCCGCC	AAAGAGGCCT	ATTTTTTTTT	TTTTTTTTTT	TCNGGGTGTA	60
GAACATTTAT	TTATTTTTCC	CACAAATCAC	TGAAAGTTA	GGTCAGTGGG	120
AATCAAATAA	TTGTACATAT	TCTTCCACA	TATCCTGCCT	TGTATTAAGG	180
TGATCCATT	CATTACAAGT	AAAATATTAC	AAAATATTAA	AATGACATTG	240
CTCAAACACA	AAAGGCAAGA	TGAAATAAAC	TGTTTTTTTT	TCTCCAGAAA	300
AGTGCCCAAC	GCACACAAGA	GTCAAAACAA	ATAAGCAACT	TCTCTACTCC	360
TTCCAAAGAA	CTAGGCCTCT	TTGGCCGAA			389

(2) INFORMATION FOR SEQ ID NO:1248:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 380 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1248:

GAATTCCGCC	AAAGAGGCCT	AAAGGAAGGC	CACTTCTCAA	CTGGCAGAAC	TTCTGAAGTT	60
TAGAATTGGA	ATTACTTCCT	TACTAGTGTG	TTTGGCTTA	AATTTGTCT	TTTGAAGTTG	120
AATGCTTAAT	CCCGGGAAAG	AGGAACAGGA	GTGCCAGACT	CCTGGCTTT	CCAGTTTAGA	180
AAAGGCTCTG	TGCCAAGGAG	GGACCACAGG	AGCTGGGACC	TGCCTGCC	TGTCTTTCC	240
CCTGGTTTT	GTGTTACAAG	AGTTGTTGGA	GACAGTTCA	GATGATTATT	TAATTTGTAA	300
ATATTGTACA	AATTTAATA	GCTTAAATTG	TATATACAGC	CAAATAAAAA	CTTGCATTAA	360
CTTAGGCCCTC	TTGGCCGAA					380

(2) INFORMATION FOR SEQ ID NO:1249:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 386 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1249:

GAATTGGCC	AAAGAGGCCT	GTGGGTTTG	TGACTAGACT	AAAAATACT	AAAATAAGCC	60
AAATAGATGC	TAACAATACT	AATTTGCACA	CAAGATTGA	AAAAAGTACT	TCAAGTTTA	120
TCTCTTATCC	CTAGAGAAAG	TAAATAAAAA	GTGGCTCTG	AAAAATAAA	TGAAAACAAA	180
ACCACCAACA	AAAACATAATC	ATATAAGATA	CTGTTTCTCT	TTTGAAATAC	TTCAATTGGT	240
CCTATATTAG	GATAAGGTTT	TGATAGCAAG	GACTTCCTAG	CTTCTTCCTT	TATCTTCAT	300
TCTCTAGTC	CTTCCGTGTT	TTTATCAAAC	AAGGCTACGT	GTAGGCTTTC	CTACAAAGTC	360
AGATTGAATT	CTACCAACCT	CTCGAG				386

(2) INFORMATION FOR SEQ ID NO:1250:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 428 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1250:

GAATTGGCC	AAAGAGGCCT	AACCATGTCT	GACCAGATCA	TTGGGAGAAT	TGATGATATG	60
AGTAGTCGCA	TTGATGATCT	GGAAAAGAAT	ATCGCGGACC	TCATGACACA	GGCTGGGTG	120
GAAGAACTGG	AAAGTGAAA	CAAGATACCT	GCCACCGAAA	AGAGTTGAAG	GTTGCTAATA	180
ATTTATACG	GAATCTGGCA	TTTTTCCAAG	CCAAGAGAAG	ATCGAATGGC	TTTTGCAGC	240
TAACACTAT	GTGTAGACAG	GTTTTATATT	ATAAAAGTATG	CATTCTTATC	ACCTAGTATA	300
TAGTTAGTTT	GTAGAGTGAT	TTCCCCCCAG	TTTCTTGAAAC	ATGGTATCTT	CACATCTTGG	360
ACCTTGGTCA	GTGTGCTAT	TCATTATTAA	ACACTAAAAC	TTGGCGGTT	TAGGCCTCTT	420
TGGCCGAA						428

(2) INFORMATION FOR SEQ ID NO:1251:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 264 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1251:

GAATTGGCC	AAAGAGGCCT	AAGAAAAGTA	GTATGAATGA	GTTTTTCTAC	ATATTAACCA	60
CAATTATGG	TAATTGTGA	AATGTTTTC	CATTTTAAA	TGTAAGAGTC	TCTATCTCCA	120
CTCACAAAGC	AACAGGCACT	GCTAGGGTC	TTAGGCTAAC	ATCTGCCACC	CCACCAAGTCT	180
GCATGGCCA	AAACACAGGTG	CAGAGGACCA	GAGTTCACCT	GTCAGCAGCA	CCGCAGAATC	240
CAACTCTAGG	CCTCTTTGGC	CGAA				264

(2) INFORMATION FOR SEQ ID NO:1252:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 436 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1252:

GAATTGGCC	AAAGAGGCCT	ACTTTTTTT	TAATTTCCA	CTTCTTCTT	AACTTTACTT	60
CTCTTTGT	CCCCCCCCAT	CTTACAGAAG	TTGAGGCCAA	GGGAGAATGG	TAGGCACAGA	120
AGAAACATGG	CAAACGTCTC	TGTGCTTCA	ACACAAAGTG	TTCCCCCAA	CCCCAAATT	180
GTCTAACGCAC	TGGCCAGTCT	TTGTTGGCA	CAACCAAATC	TGGGTTTTT	TCGCAGCTCT	240
TCTCTTTCT	TTAACACATAG	AGGTACCACC	ACAAGGGATG	CCCTACTCTC	300	
TGAAAGCATC	TGGTTGAGGG	AAAGGTCTCT	GGGCAAGCAA	GTGGTTATTT	GGATTGCTTG	360
CTTCCCTTT	TCCACCTGGG	ACATTGCAAT	CATAAAATAA	CAGTAAATTC	CAAACCTCTA	420
GGCCTCTTG	GCCGAA					436

(2) INFORMATION FOR SEQ ID NO:1253:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 399 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1253:

GAATTGGCC	AAAGAGGCCT	AGGGTAGATC	ACTTGATATC	AGGAGTCGAG	GCGGGAAGAT	60
CACTTGACGT	CAGGAGTCG	AGACTGGCCC	GGCCAACATG	GTGAAACCGC	ATCTCCACTA	120
AAAATACAAA	AATTAGCCTG	GTGTGGTGGT	GGGCACCTGT	AATCCAGTG	ACTTGGGAGG	180
CTAAGGCAGG	AGAATTCTT	GAACCCAGGA	GGCAGAGGTT	GCAGTGACCA	GCAGGTTGC	240
GCCATTGCAC	CCCAGCCTGG	GCGATAAGAG	TGAAAACCTC	ATCTCAAAA	AAAAAAAAAA	300
AAATTCCCTT	GGGAAGGCCT	TCTACATAAA	AATCTTCAAC	ATGAGACTGG	AAAAAAGGTT	360
ATGGGATCAT	CACCGGACCT	TTGGCTTTA	CAGCTCGAG			399

(2) INFORMATION FOR SEQ ID NO:1254:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 444 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1254:

GAATTGGCC	AAAGAGGCCT	ACCCGGTACT	TACTTCTCAA	TCCTAAAGAG	AGAAAACAGG	60
TGTTTGATCA	GTATGAAAG	ACCAGGGCAG	AGGAAGAACG	CAGGGAAAAG	AAAAATAAAA	120
ATGCAAGGCCA	AGGAAGAGATT	CAAAAAATG	ATGGAAGAACG	CAAATTTAA	TCCAAGAGCA	180
ACTTTTAGTG	AATTGCGAC	CAAGCATGCT	AAAGATTCAA	GATTCAAAGC	AATTGAAAAG	240
ATGAAAGACC	GAGAAGGCCTT	TTTAAATGAG	TTTGTGGCCG	CTGCTAGGAA	AAAAGAGAAA	300
GAAGATTGCA	AGACCGAGG	TGAGAAGGTA	AGATGGTTT	AGTTCCAGTC	GTGTGATTGA	360
TGGGAGTGTG	AATGGGAAAG	GTCTATGCTG	GTGTTATGTT	TCTAACCTTA	TTCATTGGCA	420
TAAATAATAG	GACGTACACT	CGAG				444

(2) INFORMATION FOR SEQ ID NO:1255:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 284 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1255:

GAATTCTGGCC	TTCATGGCCT	AAGAAGGACT	ACCCCTGCACT	GCTTTCCCTTG	GATGAGAATG	60
AACTCGAAGA	GCAGTTGTG	AAAGGACACG	GTCCAGGGGG	CCAGGCAACC	AACAAAACCA	120
GCAACTCGGT	GGTGTGAAAG	CACATCCCT	CAGGCATCGT	TGAAAGTGC	CATCAGACAA	180
GATCAGTTGA	TCAGAACAGA	AAGCTAGCTC	GGAAAATCCT	ACAAGAGAAA	GTAGATGTTT	240
TCTACAATGG	TGAAAACAGT	CCTGTTCAC	AAGACAAACT	CGAG		284

(2) INFORMATION FOR SEQ ID NO:1256:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 691 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1256:

GAATTCTGGCC	TTCATGGCCT	AGTGGGACTT	TGCTTAATGTG	AAACCTAATG	ATGCTCTGAAA	60
ATGGTCCCTGA	TGGGTATTAA	TAGCCATCTG	AAAAAATTTT	ACATCTTCAC	AAATAATCCC	120
AATAATTAT	ATTGTGAAAGA	TATTATCCTG	ATAGTCCTTC	TTTCCCTATA	TTCTTGTCGG	180
CTGTAGGATG	AGAGCAGTAT	GAAGCAAACA	GAAGACATT	TGAAATTAAT	CACAAAATTC	240
CCATTGCTTT	GAAGCCTGCT	ATTATTATAC	TAAGCCTTCT	TATAGCTTTA	AAAATCAAAC	300
AATGCCAAAC	AGTATATCTA	ACATTTTTAA	TTTCCTTTGA	GCCAAACCAA	TTTGGTTTAA	360
ATTTCTCTG	CTCCGTGAAAG	ACAAGCTGGG	CTGGGGAGGA	CGGTGCTAG	GAGGGATGAC	420
CCCACTCAGC	TCCAGGCACT	GTTCTGCCGA	GACCCCAAGA	ACTCGGGTG	TCAGAGGGCA	480
AAGGAACACT	CTGCCCTTCA	CGGCTGCTGA	CTTCTCAGGG	CTGCAAGCAG	CACAGAATGT	540
TATCCTTACG	TCTGTAGGCCG	GTTTAAGTCT	GTGGAAAAGG	AAGCACGGGA	GAAATCCACG	600
TAACCTTGC	TTCTTTTTA	AGGGAAGCGG	TTCCGCCGTG	AACTTGAAC	CCTCAGCTCC	660
GGGTGTTCTC	GGCAGAAGGG	CAGCTCTCGA	G			691

(2) INFORMATION FOR SEQ ID NO:1257:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 383 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1257:

GAATTCTGGCC	TTCATGGCCT	AAGCTGATCC	ACGATCAGAG	TGCTCCAGC	TGCCAGCA	60
GCTCCCCGTC	CCCAGGGGAG	GAGCCTGAGG	GGGAAGGGGA	GACAGATCCG	GAGAAGGTGC	120
ATCTCACCTG	GACCAAGGAC	AAGTCGGTGG	CAGAGAAGAA	TAAGGGCCCC	AGTCCTGTCT	180
CCTCTGAGGG	CATCAAGGAC	TTCTTCAGCA	TGAAGCCGG	GTGGGAGAAC	TTGAACCAGT	240

CCAAACGTGCG GCGCATGCAC ACGGCCGTGC GGCTGAACGA GGTCATCGTG AAGAAATCCC	300
GGGACGCCAA CCTTGTTTG CTCAACATGC CTGGGCCTCC CCGCAACCAC AATGGTGATG	360
AAAACATACAT GGAGTTTCTC GAG	383

(2) INFORMATION FOR SEQ ID NO:1258:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 418 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1258:

GAATTCTGAG GGACTAACTA CGACCAGTGA ATTGGCAGTG ATTTGCTTTT GCCTATTG	60
CATTGCCTCC TCCCTCCCCG TGAAAGTGAC TGATTCTGGC AGCTCAGAGG AGAAGAAGCT	120
TTACAGCCTG CACCCAGATC CTATAGCCAC ATGGCTGGTG CCTGACCCAT CTCAGAAGCA	180
GAATCTCTT GGGCCACAGA ATGCTGTGTC CTCTGAAGAA AAGGATGACT TTAAGCAAGA	240
AACTCTTCCA AGCAATTCCA ATGAAAGCCA TGACCCACATG GACGACGATG ATGACGATGA	300
TGATGACGAT GGAGACCATG CAGAGAACGA GGATTCTGTG GACTCGGATG AATCTGACGA	360
ATCTCACCCT TCCGATGAGT CTGATGAGAC CTTCACTGCT AGTACACAAG CAGTCGAG	418

(2) INFORMATION FOR SEQ ID NO:1259:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 189 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1259:

AAAAATTAAA TAATGCTTGA CTTTTTTTTT TTTTTTCTC TTTTTGAGGC AGGTTCTTGC	60
TCTGTCAACC AGGCTGGACT GCAACAGCAT GATCTTGCT CACCTCCGCC TCCAGGCTC	120
TGGCAATCCT CCCACCTCAG CCTTCAGAGT GGCAGAGACT ACAGGCTCAT ACCACCGCAC	180
CCACTCGAG	189

(2) INFORMATION FOR SEQ ID NO:1260:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 278 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1260:

GCGATTGAAT TCTAGCCTTT CCTCCGTTCA AGTAAATTAA GAAATTCTC AAGTTTTCTT	60
TATAACAGGT AGCTAAATC TATATCATAAC TTTTAAATA AAAATCTAGG TGCAAATTG	120
TTCTTATGTT TAAGGTTAAC ATGTACACTT CACAAACATT GAGACTTTTG TTTGTTTTC	180
TGGGACAAGG TCTTGTCTG TCTCCCAGCT GGAGTGGATA CAAGCATGGC TTGCTTCAGC	240
CTCAACCTCC CGGACTCAAG CGATCCCCCCC CCCTCGAG	278

(2) INFORMATION FOR SEQ ID NO:1261:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 265 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1261:

GAATTCTGGCC	TTCATGGCCT	ACTCACTGGA	TGCTGGGGGA	GGGCCCCCTCA	GGTGAGCAGC	60
CCACCACTGA	CTTCAGCGTT	GCTGGCTCGG	TTATCAGACT	CTCATCCAAC	ACAAGCTCAC	120
AGGGAAAGCC	GTTCCTTGCT	CCTTGTGGAG	GGAGCTACCG	TCATTGCCCT	GAGACCACCA	180
GCCAAGAAG	TAGGTATGTC	CAGGTAGGGA	ATTCAGAGGG	ACCCAGTGCA	TCCAATTATA	240
CAATTATACC	CAGAAAGTCC	TCGAG				265

(2) INFORMATION FOR SEQ ID NO:1262:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 426 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1262:

GGTCAGTATT	GAAGGTGTT	TTCTGAGCCA	TTGTATGAAAG	CTGCTGTTTT	GGCGTCCCTA	60
ATGCAGGGTG	AGATGGTAGT	GTGATTCTTG	TTGTGACATC	TCGTGACTGG	GCAGGACGCT	120
GAATCTGAT	TGCTGCAGAT	GGAGGATGCT	GGATAGACAA	GGTTGCCCTA	CTAATGCTG	180
AATCAGTAGC	ATGCGCCGCT	GTCTGAGTGA	TGACTGGAGA	CTGAGCTCTG	GTGGCTGAGA	240
CAGTTGCTAC	CACAGCAGGA	GGGATGGCAT	TGGAGGTGGT	CACAGGTGGC	CGAGACTGGA	300
TTGGTTGGTG	AATGATGTGC	TGTACTGCTG	GCTGAGCAGT	AGCAGCATTT	GGCAGCTGTG	360
AGGTGGCCT	CAGGACTGTG	GTTACTTTAG	AACTGGACAT	CACAGCAGCA	GCAGCTGCAC	420
CTCGAG						426

(2) INFORMATION FOR SEQ ID NO:1263:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 398 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1263:

GAATTCTGGCC	TTCATGGCCT	AGGCCGGTGT	TTATGCACGA	TGGCGTTGAA	AGCTAGTCCA	60
TCTCTCCAGC	TGGTGGTGAA	GTGTTGACA	TTGACGGTGG	GATAACCTGC	AGCTTTCATC	120
TGGCACCACA	GAAGCAGGGC	ATCCTTGGCT	GACTTCTTCT	CCTTGTGTC	TTCTGTCTCC	180
ACACTGATGT	CTTGGATCTG	GAATGAAAGG	ATGATGGTCC	AGACCAAGCC	AAGGGTCACT	240
CGGTGGTTTC	CGTCCACAAT	GTCATGGGAG	CCCATGTTTT	CCAAGTGCAC	TTTCTGCTCC	300
TTGAGGAACT	GCAGTGCCTT	GTCCACGTT	TCCAGGCACT	GGATCCGCAT	GCGCCCTTT	360
GTAGGCTTTG	GCAGTATCTC	TCCCGAGAGC	ACCTCGAG			398

(2) INFORMATION FOR SEQ ID NO:1264:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 256 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1264:

GAATTCTGGCC	TTCATGGCCT	AAAAAAAGCT	GTAAAGAAAA	TATGTTTAA	AAATTGCCC	60
AACAGGAAGG	AGAAAATTAG	AATCTAATAG	CAAACCTGTG	TCAAACGAGG	GGAGACCA	120
TGATCTTCCT	CTTGAAAAT	CTGCTCTGGG	TGATGACCAT	ATGCTCTTA	AACAGGTTT	180
CTGTGTTTTA	GGGAAAGAAG	CTCAGAAAGG	ACCCCTGCTC	TTTGATGACC	TCCCTCCGGC	240
CAGCAGTAAC	CTCGAG					256

(2) INFORMATION FOR SEQ ID NO:1265:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 249 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1265:

GAATTCTGGCC	TTCATGGCCT	ACAGAGTCTA	ATTAGCCATA	TTTATATGAT	AATAATAAAC	60
ATTTGGCTA	CAGTCCTACC	TAGATTTTT	TTTTTTAGAT	GGAGTCTTGC	TCTGTCGCC	120
AGGCTAGAGT	GCAGTGGTGC	GATCTGGCT	CACTGCACT	TCTGCCTCCC	AGGTTCAAGC	180
AACTCTGTTG	CCTCAGCCTC	CCAAGTAGCT	GGGATTACAA	GCGCACATGA	CCACGCCCTGG	240
CAGCTCGAG						249

(2) INFORMATION FOR SEQ ID NO:1266:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 265 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1266:

GAATTCTGGCC	TTCATGGCCT	AGGTTATATA	GCAGTGATGC	TTTCATAGTA	TTTTCTTGA	60
ATAAGGTCCC	CAAACCTTA	TTAACGTTCT	GGTAGGCATG	GAGCATTGAA	GATGGCAGAC	120
ATGGTGCAGT	CTCTCAAGGA	GTTCAGCTC	TAGTGGAGAA	AAACATCAGA	CAGCCTTAAA	180
ATACATGTAT	GGCTACTATA	ATAAAATCTG	TGAAGCAGGA	GTGCACCA	AAACCTGGAG	240
TCCTCTCCAT	CCTCCCCCTTC	TCGAG				265

(2) INFORMATION FOR SEQ ID NO:1267:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 293 base pairs
 (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1267:

GAATTCCGCC TTCATGGCCT ACTAGACCTG CCTCGAGATT AGGGGGTTA GACTCAGAAT	60
TCTGTCCAAA CTCTGGACG ACCTCTTGAATTAAGTCAG GGATTTATG TACTGGGTTA	120
ATTTCGTAAC CTCTGGGTAT AATATTAGGT TTGCATCTAG AAAGGGTCTC CAGTATAGGA	180
CTTCAAAGAA ACTAAGCCAT AGACGTAATT TAAGGGTGT TCTGATCTGA AGAAGTGCCTA	240
TGGGTAGAAG TTTTAGCCAT GGTAAAGAGG CTTCTGGCA TCATTTGCTC GAG	293

(2) INFORMATION FOR SEQ ID NO:1268:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 501 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1268:

GAATTCCGCC TCATGGCCTA CTGGTCCAAG CTGATTACCC TCATAGTGTC CATCATTGAG	60
GAAGACAAGA ATTCCCTACAC TCCCTGCCTC AACCACTTC CCCAGGAGCT GAATGTGGT	120
AAAATCAGCG CTGAAGTGAT GTGGAATCTG TTTGCCAAG ACATGAAGTA CGCCATGGAG	180
GAGCACGACA AGCATCGTCT ATGCAAGAGT GCCGACTACA TGAACCTCCA CTTCAAGGTG	240
AAATGGCTCT ACAATGAGTA TGTGACGAA CTTCCCGCT TCAAGGACCG CGTGCCTGAG	300
TACCTGCTAT GGTGAAACC CTTCGTATC CAGTGGCTGG ATGAGAATGA GGAGGTGTCC	360
CGGGATTTCGACGACGGTGC CCTGGAGCGA GACAAGAAGG ATGGGTTCCA GCAGACCTCA	420
GAGCATGCC TATTCTCCTG CTCCGTGGTG GATGTCTCT CCCAACTCAA CCAGAGCTTT	480
GAAATCATCA AGAAACTCGA G	501

(2) INFORMATION FOR SEQ ID NO:1269:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 330 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1269:

GAATTCCGCC TTCATGGCCT AGGCCCTGTC TCCACCTGGG GGGACTGGGA GTGTGAGTGT	60
GCATGGCATG TGTGTGGCAC AGATGGCTGG GACGGGTGAC AGTGTGAGTG CATGTGTGCA	120
TGCATGTGTG TATGTGTGTG TGTGTGTGGC ATGCGCTGAC AAATGTGTCC TTGATCCACA	180
CTGCTCTGG CAGAGTGAGT AACCCAAAGG CCCCTTCGGC CTCCCTGTAG CTGTTTTCTT	240
TCCTTTGTT GTGGTTTTA AAATACATTC ACACACAAAT ACAAATTGAC AGGTCAAAT	300
CCATGAAATG AGATCCCCCA CGGGCTCGAG	330

(2) INFORMATION FOR SEQ ID NO:1270:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 502 base pairs
 (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1270:

GAATTCCGCC	TTCATGGCCT	AAAAAAAAAA	TACTGATTCA	CTTTGCAAT	TTTCAGATA	60
CTACTGATG	TGACACCTCC	CCTAGGCTTG	CTGTGGGTCT	CTTGGAAAGAT	AGAGCTATAT	120
TAACTCCCTG	ACTTAAAGGG	CAGCAGACTA	TATAAGGTCT	CTTTACAGAC	AGAGTAGGGA	180
GAATAATGAA	AAACTTTTG	ATTTCTAGAG	AGAAGAGAGA	AGACATAGCA	ATGGAACGTG	240
TCTTAGCTTT	GTTGCTACA	ACTCTTCAA	GTTTAATT	AGATTCACTG	CATTATTCA	300
TAGACCATGA	AACATATAAT	CATGCC	ACTAATTGCG	GATACTAAA	ATTATATATT	360
TTTGACCTAC	TGTGTTATGG	TCATTGAA	AAAAGATGGT	TTGATTATAT	ATTATTGTCT	420
GTAGATTCCC	TGTA	TATTC	TAGGATCATA	TGACATATTA	TCATTACTAA	480
AATTATTGAT	GCTCCGCTCG	AG				502

(2) INFORMATION FOR SEQ ID NO:1271:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 285 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1271:

GAATTCCGCC	TTCATGGCCT	ACCCCTGACT	ATTCAGTÄGG	AGAAGAAATC	AAAAATCCAT	60
TCTTTCTCC	TTCTCTCCCT	CCAACAGTGG	CCAGGGGAAG	GGGAAGTGAG	GGCAGGGGCA	120
AAAAGATTG	GGAA	TTTTA	TTTGTGACT	TTTCATT	TTGTTATTG	180
GCTTTACTGG	AATAGGAGGG	CCCTGCCCA	CTGTGCC	TTTATCCCTT	ATTCCCCAAA	240
CCCTGCTCTC	CCCAACACCT	ACTCACTTAA	GCAC	TTGTC	TCGAG	285

(2) INFORMATION FOR SEQ ID NO:1272:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 405 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1272:

GAATTCTAGA	CCTGCCTCCA	ATTTGAAGAT	TTATTTCTCT	CTTTGGATAT	AGAACAAAAT	60
AACTTTATGT	ACATTTTATT	TCACTTTATT	TTACTATTGG	TTGGGTGCAA	AAACAATTGC	120
AGTTTCCCA	TGAAAAGTAA	TGGAAAAAC	TGCAATTACT	TCGCACCA	CCCAATATT	180
TATTTGAGA	CAGAGTCGCA	CTCTGTCACC	AAGGCTGGAG	TGCAGTGGTG	TCATCCAAAC	240
TCACTACAGC	CTCTGCCTCC	TGGGTTGGAG	AGATTCTGT	GGTCAGCTT	CATGTGAAAC	300
TGGAATTACA	GGTGCACGCC	ACCACGCCCA	GCTAATT	GTATTTTG	TAGAGATGGG	360
GTTCGCCAT	GTTGCCCTGG	CTGTTCTAA	ACTCCTGACC	TCGAG		405

(2) INFORMATION FOR SEQ ID NO:1273:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 412 base pairs

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1273:

GCAGATTGAAT	TCTAGACCTG	GCTCGAGGCA	GGTCTAGAAT	TCAATCGGCT	TCCTGGCAGT	60
GCCCTCTCCC	AGATGAGACC	TGATCTCTTT	TTTGTGTTTT	GTGTTTTGTT	TTGAGACAGA	120
GTTTTGCTCT	TCTTGCCCCAG	GCTGAGATCG	CACCACTGCA	CTCCAGCCTG	180	
GGTGACAGAG	TGAGACCCCA	TCTCAAAAAAA	AAAAAAAAAA	ATCTGGCCCT	ATGGACTGTG	240
TACTACACTC	TAGTGGGGGT	AAGAGGCAAT	GGGTAAATAG	CTAAGTAGAT	TATTGGATGT	300
ATTAGAAGGG	GCATGGGAA	TGTGGGGTCA	AGGTATAGT	TTTAAATAGG	GTGGTCAGGG	360
AAAGCTTCT	GAGAAGGTGA	CATTGAAAC	AAATACTTGA	AGGAGTCTCG	AG	412

(2) INFORMATION FOR SEQ ID NO:1274:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 285 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1274:

GAATTGGCC	TTCATGGCCT	AGCTATTTTT	AAACAATATC	TGAGATTATT	CATTCAACTA	60
AAACTTATTA	AGCATTAAAT	ATCTGTCCTGG	CATTCTTCAG	GCACCAAGGA	TATTTGTTG	120
AACAAAACAA	AATCTTGTGTC	ACTATGGAGT	TTACGTTTTG	TGGTGGCATT	GGAGTGAAGA	180
GCTAGGAAT	AAAAAAACAA	GTCAATATGT	AGTATGCCAC	TTGGTGGTAA	GTCATTGGGA	240
GAATGATGTA	GTAGGGAAAG	AGGAAAAGGG	TGTAGGCATC	TCGAG		285

(2) INFORMATION FOR SEQ ID NO:1275:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 280 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1275:

GAATTGGCC	TTCATGGCCT	ACTCCACACA	TTCATCTCCC	AAAGGACTCC	TTGAATATTT	60
GCCCCAAAC	ATCACGCTCCC	AGAAAAACACC	CCTCCCGATC	ACACACACAC	CCAAATTCTC	120
CGATGTATT	TCATTTTTT	TCTCCTCTTC	TCTTCTCTTT	TCCTTCCCTT	CCTTCTCTCT	180
TTTCTCTCTT	TCCATCCCTC	CCTTCCTTCC	TCCCTCCCTT	CCTTCCTCCC	TCCCTTCCCTT	240
CCTCCCTCCC	TCTTTCCCTT	CCTCCCCCACA	CCCACGAG			280

(2) INFORMATION FOR SEQ ID NO:1276:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 220 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1276:

GAATTCTGGCC	TTCATGGCCT	ACGAGTGGTG	CGATTTTTT	TTCTTAGCTT	ATCAGCTATG	60
GTAGTGTAA	CCGTATTTA	TGTGGGCC	AAGACAATTC	TTCTCTTCC	AGTGTGGCCC	120
AGGAAAGCCA	AAAGATTGGA	CACCCCTGGT	AGAGGCAGAA	ACTCACTGGG	TTAGTTCCAC	180
AGCCTCTGAT	CAAAGATATG	AGGCCAAAGA	GCCTCTCGAG			220

(2) INFORMATION FOR SEQ ID NO:1277:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 246 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1277:

GAATTCTGGCC	TTCATGGCCT	ACGAGCTGAG	ATTGCGCCAC	TGCACTCCAG	CCTAGGCAAT	60
AGAGTAAGAC	TCCATTCA	AAAAAAA	AAATGTTGAT	CAAAAGAAC	CAGATGACAG	120
AGTACTCACT	GTGTGAGTC	ATTTATTGAA	AATTCTAGAA	CAAAAATAA	ATATCCATTG	180
ATAGAAATGG	GAACAGTGT	GGCCTATGAA	GAATGGAAAT	TGACTGGAAG	GAGGCCTCTG	240
					CTCGAG	246

(2) INFORMATION FOR SEQ ID NO:1278:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 499 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1278:

GAATTCTGGCC	TTCATGGCCT	AGCTGGCGT	GATGGCGGC	GCCTGTAGTC	CCAGCCACTC	60
GGGAGCTGA	GGCAGGAGAA	TGGCGTGAAC	CCGGGAGGCG	GAGCTTGAG	TGAGCCAAGA	120
TTGCGCCACT	GCACCTCCC	CTGGGCCACA	GAGAGAGACT	CCATCTCNAA	AAAAAAA	180
GAAAGAAAAA	AAGAAAATAA	AAACAGAAAA	AATTAAGATT	TTTGAATAAA	AAACAAATAT	240
TAAAAATTAT	TGAATATAT	TGAAAGTTT	TTCACTAT	ATATTAACCT	TTTAAAAGGA	300
TATGAATTCA	ATTATTTAT	TGCTTATGG	AAAATAGATC	CACTGCTCTA	AGATGCTACT	360
AATCATGCTC	AGAGGATTCA	CAACAAACAG	ACTGATAAGG	TATTACTTAA	AGCGCTCTAC	420
ATTAATAGA	GCATTCCAGT	TTTCTAGGGC	ACACTACTTG	CTGTATTTC	AAGGTCAAGC	480
					TCGTTCGAG	499

(2) INFORMATION FOR SEQ ID NO:1279:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 317 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1279:

GAATTCTGGCC TTCATGGCCT AATGAGCTAA AAGCAGTGT	60
CCAAGAAATA GTTTGGTACT ACCGACATTC TCTAATCCAT	120
GTCACATCCT CA T ACAATT	180
AATTGCTCAA CCATGCATT AAAACTCCTC AAGAAAGGAT	240
TGGTACTGCA ACTGTAGGTA	300
AACTGAAAAAA AAATAAGAAA GAAAGAGTTG GATGAAAATG	317
TGAAAGCCCA AGTTTAGATG	
TGCATTAAGT ATTAATAGC ACAGTATCTT CTTCATGGAG	
CCTTTTCC TCCCCATCC	
CCTGCAGCTA CCTCGAG	

(2) INFORMATION FOR SEQ ID NO:1280:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 407 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1280:

GAATTCTGGCC TTCATGGCCT ACTTCCTTTC ATTTTGAAGC AACAGTTTAT	60
AAACAGGAAA GTCTACTGGT TTCAAGAAT CTGTCAGATT TGCTTATTG CTACTGGTTT CACGCGCGTG	120
GACTATATTC CAGTGTTCAGT CAAAGAC CTTTATCCTC AAATCATGAG ATTAGAGTAA	180
AAACAATGCT GTAAAGGTTGA GCATTCATG ACCAATGACT ATGAAGGCAC ATTCAACAA	240
CACAGGCACT TTAAGGGCAT CCTTGATTAA TTGCTAATT GCTATTGTTT GTTGGTATGT	300
GAATTCCCTGC TAGGAGGCCG AGGCTAGTAG GCAATGAAAAA AGACAGAACAA ATGGTAAAAT	360
GCAGCCCCGG TCCTCTACAA ATTGACAGTA TAATTAGGG GCTCGAG	407

(2) INFORMATION FOR SEQ ID NO:1281:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 281 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1281:

GAATTCTGGCC TTCATGGCCT AAGATTGACA AAGAAATAGA GCTTCACAGA ATTCTTCATC	60
ATAAGCATGT AGTGCAGTTT TACCACTACT TCGAGGACAA AGAAAACATT TACATTCTCT	120
TGGAATACTG CAGTAGAAGG TCAATGGCTC ATATTTGAA AGCAAGAAAG GTGTTGACAG	180
AGCCAGAAAGT TCGATACTAC CTCAGGAGA TTGCTCTGG ACTGAAATAC CTTCATGAAC	240
AAGAAATCTT GCACAGAGAT CTCAAACTAG GGAACCTCGA G	281

(2) INFORMATION FOR SEQ ID NO:1282:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 250 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1282:

GAATTCTGGCC TTCACTGGCCT ACTAGTTTAT TATATAGAAA TTATTTGTC	TTGCTTTAGT	60
TGTGCCCTTT GACTCAGCAA TTCCCCTTCT ATAAAATTT CCCAAGCAGA	TGATTATGGA	120
TATATGCACC AATTTGGAAA CAGGGATGTT TATTGTTTAT AGTAGCACTC	AACTGAAAAC	180
AACATAGTTG TCTTCAGGAG CGGGGACTGA TTAAATTATG ACATGAAGCA	GAATAATGCA	240
AAATTCAGAG		250

(2) INFORMATION FOR SEQ ID NO:1283:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 257 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1283:

GAATTCTGGCC TTCACTGGCCT AGCTGAAGAAA GGCCTTCACA GAGCTTCAGG CCAAAGTTAT	60
TGACACTCAA CAGAAGGTGA AGCTCGAGA CATAACAGATT GAACAGCTAA ACAGAACGAA	120
AAAGCATGCA CATCTTACAG ATACAGAGAT CATGACTTTG GTAGATGAGA CTAACATGTA	180
TGAAGGTGTA GGAAGAATGT TTATTCTTC GTCCAAGGAA GCAATTTCACA GTCAGCTGTT	240
AGAGAAGCAG TCTCGAG	257

(2) INFORMATION FOR SEQ ID NO:1284:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 434 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1284:

GAATTCTGGCC TTCACTGGCCT AAAGACTAGC ATATTTATCT TTGACTTGAT TAATCAGACC	60
TAATTGCAAT CGCCTAAATGAA GACTGATAAA AATGGATTTA CCTTTTAACC TTTAGAGGAG	120
GAAAGGTATT TCTCTGCAAG ATTTCTGGGG CTATCGTTTC TTAACCGATA AGAACGCCACT	180
CCTTATCAA TAAAGATGAA AATCCGCAAT TTGCAATTAGT GAATGGACT GATTATTATA	240
TAGTTAATTA GCATCTGGAA ATGAGGATTA TCTTAATTAA AAAGCACAAT TTCCCTAATA	300
GCTACAAAAC TGTAAGTTG ATCCATGTGG AAATTGGTAA CATTATTATG TAATTAGTGA	360
TAACATTAAT AGTGTAGAAT ATTTAGATGT AATTTGCATA TGCAATGTG ATTTACCTGA	420
GCCAAAAACT CGAG	434

(2) INFORMATION FOR SEQ ID NO:1285:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 302 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1285:

AGCAATATTT ATTTTAGACA GACTTCTGCG TTATGACCCG GCTGCTGGGC TACGTGGACC	60
CCCTGGATCC CAGCTTTGTG GCTGCCGTCA TCACCATCAC CTTCAATCCG CTCTACTGGA	120

ATGTGGTTGC ACGATGGAA CACAAGACCC GCAAGCTGAG CAGGGCCTTC GGATCCCCCT	180
ACCTGCCCTG CTACTCTCA AGCATCACCA TCCTGCTCCT GAACCTCCCTG CGCTCGCACT	240
GCTTCACGCA GGCCATGCTG AGCCAGCCCA GGATGGAGAG CCTGGACACC CCCGCACTCG	300
AG	302

(2) INFORMATION FOR SEQ ID NO:1286:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 245 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1286:

GAATTGGCC TTCATGGCCT AATCTTTCTT AATGCTTAT AATTTCTAT	60
GCAGAGGTCT TGTAGATCTC TTTCAAGAT ATTTGATGTT TGTGTTGTTG TTTGTTGTT	120
TGTTTTTGA GACGGAGTCT CACTCTGTTG CCCAGGCTGG AGTGCAGTGG CGTGATCTTG	180
GCTCACTGCA ACCTCCGCCT CCTGGGTTCA AGCAATTCTC CTGCCTCAGC CTCCCAAGTC	240
TCGAG	245

(2) INFORMATION FOR SEQ ID NO:1287:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 232 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1287:

GAATTGGCC TTCATGGCCT AATTTTTTTT CTCCCTTTTC TTCTAGTACA TATTGATAGG	60
TATAACATAA TTAAGGTTTA AAAAAAAATTA GACATAGTTA TTCAAGATTTA GGACCAAGTAA	120
GGATAGAACT TTCTCTTATT TATGAAAAAA AATGCTAATA ATTTGGGGC AGTTTTTCC	180
TTTAATTATT TTTTCAATT TCAAGTTAA TTTTATTTA GCTGATCTCG AG	232

(2) INFORMATION FOR SEQ ID NO:1288:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 298 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1288:

GAATTGGCC TTCATGGCCT ATAGGCCATG AAGGCCCT TCATGGCTTA AGAAGATCAC	60
TTGAATCTGA GAGGTAGAGG CTGCAGTGAG CGAAGATCAC ACCACTGGAC TCCAGCCTGG	120
GCAACAGAGT GAGACCCCTGT CTCAAAAACA AAGAAGAGCA CTAGCTCTC TATCAAGTAA	180
GTGTAGGGTT TAAAAAAACA CAAATGGACT TTGGTAGACC AAAACAAAAG CCCACGAGTA	240
TGGAAGTTTC CCTTGAAGTT GGAAATTCAA TTTCCCCCTT ACCCCCCCAA CCCTCGAG	298

(2) INFORMATION FOR SEQ ID NO:1289:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 227 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1289:

GCGATTGAAT TCTAGACCTG CCTCGAGCCA TACCCATGGT CAGCCTCTTC CTCGTGTTCA	60
CGGCCTTCGT CATCAGCAAC ATCGGCCACA TCCGCCGCA GAGGACCATC CTGGCTTTG	120
TCTCTGGCAT CTTCTTCATA CTATCGGGCC TCTCCTTGGT GGTGGGCTTG GTTCTTTACA	180
TCTCCAGCAT CAACGACGAG GTCATGAACA GGCCAAACAA GCTCGAG	227

(2) INFORMATION FOR SEQ ID NO:1290:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 264 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1290:

GAATTCTGGCC TTCATGGCCT AGACAACTCT TAGCTAAATG TGGTTGGTT TTGAGCTGGA	60
AGAGAGTACA AGGTGCTTCC CGAAAGCTTC AAGCCTCGG ATTCTGTGAG TACAAGGAGC	120
CAGAAATCTAC CCTCCGTGCA CTCAGATTAT TACATGACCT GCAAATTGGA GAGAAAAGC	180
TACTCGTTAA AGTTGATGCA AAGACAAAGG CACAGCTGGA TGAATGAAA GCAAAGAAGA	240
AAGCTTCTAA TGGAATACT CGAG	264

(2) INFORMATION FOR SEQ ID NO:1291:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 323 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1291:

GAATTCTGGCC TTCATGGCCT AGGTGCTCTC AAGGATCAGT ACTGGGTAAC AATAATCAA	60
CTTTGAATTAA AACATGCACTT ATTATTTCGTTTTGT TTTTGTGTTT GAGGCAAAGT	120
CTCACTCTGT CACCCAGGCT GGAGTGAAGC AGCCCAATCT TGGCTTACTG CAACCTCCAC	180
CCCCCTGGTT CAAGCAATTCTC TCCCTGCTCA GTCTACCTAG TGGCTGGGAT TACAGGCGCC	240
CGCCACCAAGC CCCAGGTAATT TTTTGTGTTT TAGTAGAGAT GGGGTTTCAC CATTTGGCC	300
AGGCTGGTCT AGAATTCAAT CGG	323

(2) INFORMATION FOR SEQ ID NO:1292:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 289 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1292:

GCTCGAGAAA	CTTCTGCTGC	ACGTGCGTCT	TCCCCTCCAC	CTTCACCCCT	TGTTGGCTCAC	60
TCACGCACCC	ACTCTCCAGT	CCACCCCTCC	TCAGAGACCC	TGTCCACTCA	TCCATCTCTC	120
TCCCATTGCG	CTTCCTCTTC	ACTCCGTTCC	TTCTGCCTCC	CACCATATGC	AAATCTTCTC	180
CATCCTTAAA	AGCCTGATTG	CCTCCCTCTGG	ATTTTTCCAC	ACTCTGGGG	AACTCCTGT	240
GACTCCCTGC	CCTTCACCCAC	CAGCCTTTC	CAAAGAGAAA	TCCCTCTCA		289

(2) INFORMATION FOR SEQ ID NO:1293:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 421 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1293:

GAATTCGGCC	TTCATGGCCT	AGTTGAAATC	TTTAGGAATG	AACTTCTGAG	GGCCAAAAAA	60
TGTGACTGAC	GGGAACAATT	CTTAAACTGA	TTAACCTAGCT	GTAATATAGT	TTTGTGAATT	120
TATTGCACTG	ATGTTGTACC	TTGTTGTATA	TCTGCCCCTA	TTAAATAAGT	TTTGTGTTCT	180
CCTCTTAAAT	ATTGCTGTGA	ACAGTGGTGC	CCATTGTAGC	ATATGTTGA	TTTTTTTTTA	240
TTATTTCAT	AGAAAACATAC	GTAAATTTTA	CCTTACTTTC	ATTGAAATAA	AGCCTGTCTT	300
CCTATCTGGA	TTTTTTGTGT	GCATACATAT	TCTACTGATT	AACTACTTTT	GCAGTTTAA	360
TCCTGTATTA	TTTCTTCTAC	TTTGTGTTGT	GTAAAAGGGG	AAAAAATAAA	AAAAGCTCGA	420
G						421

(2) INFORMATION FOR SEQ ID NO:1294:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 408 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1294:

GAATTCGGCC	TTCATGGCCT	ACAGGTGTAT	GTCACCATGC	CTGGCTAAATT	TTTTTTTCT	60
TTTCTTTTTT	TTTTTTCT	AGAGACAGGG	TCTCACTATC	TTGTCTGTCC	TGGCTGGTCT	120
CAAACCTCTG	GGCTCCATCT	TCCCCTTCG	GCTTCCTGAA	GTGCTGGGAT	TACAATAGGC	180
ATGAGCCACT	ATGCCCATCC	TAAAGTTTA	CAGCCAATA	ATAGTAATAT	TCCATCACTA	240
CAGCTATCAT	TGAGTTTCAG	AAGTTAGACT	GTAAAAGTT	TCAGTAAAGA	GCTTTAACCA	300
GTTTATTGTG	GCAATACTGT	GTACACAATT	ATTTTTGT	AAAGGAAGGA	GATTTCTGTC	360
TTAAATAGCT	TTAATAAAAGT	TTCAGTTCA	TATACAGGAA	ACCTCGAG		408

(2) INFORMATION FOR SEQ ID NO:1295:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 259 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(iii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1295:

GAATTCTGGCC	TTCATGGCCT	ACAGGCACTC	CAGTTATAAT	TATGTGCCCTT	TCTTCCATT	60
CTACCACTTT	CTCTGATACT	TCTCACTTCT	TTCTCTGGTA	CTTCTCACTT	CTTTCTCTGG	120
TATCATTTTC	ATTCTTCATC	ATTGTTTTAG	TGCCCTTACT	TCAATTCCCTT	CATTATTGGA	180
ATTTTCTTT	TTATCATCTT	GTGATTCACT	TTTTATTTAT	TTTTGATAG	TATTCTCCTT	240
			TTCTTCCATT	CCACTCGAG		259

(2) INFORMATION FOR SEQ ID NO:1296:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 257 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(iii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1296:

GAATTCTGGCC	TTCATGGCCT	AGTGGAGAGT	GCTATCATTA	ACACCTGAAC	TCTGGGCCAG	60
CTTAAGTGT	TATTCTGTAA	AAAATTGAA	ATCCCCAAA	TGTCACATGC	TATGACAGTC	120
ACTTTCTTTA	GTACTTTGTA	ATCATAACAA	ATGGTGTATG	GGCTAAATAT	TGCAGCACCT	180
ATGTCGTCT	CCTCCATGTT	GCTTATTTGAT	CATGGAATGT	TAATTAGCA	ATAATTCT	240
			CTGTTGTGTC	GCTCGAG		257

(2) INFORMATION FOR SEQ ID NO:1297:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 327 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(iii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1297:

GAATTCTGGCC	TTCATGCAAG	TAGGGTATGT	AGGCTTCAGT	TGGTTCTACT	TTCAGAGAGT	60
TAAGATGAA	TGAGGCAGCT	CATGGCACTA	CAGGTCAGTT	GCCTTCTCTC	CAAATGTT	120
ACTCATGAT	GTGGGCACTC	ATTGTATTG	AATAACAGCA	ACAGTGCCTC	CCTCAGTTG	180
GAACCTCTAG	TCCACTTGCT	CACTCATGGT	CCCTGCCCTA	ACCCCAGTCA	AGTTCAAAGC	240
CATAGGCATC	ATTGTCCGA	CTGACATATT	AGGGCATCTA	CCAGTCAAAG	GGTGATTGTT	300
			GTAGATGACC	TTTGGCCCGT	TCTCGAG	327

(2) INFORMATION FOR SEQ ID NO:1298:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 286 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(iii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1298:

GAATTCTGGCC	TTCATGGCCT	ACACTCTCAT	GTTTGTGCA	GCATTATTCA	CAATAGCCAA	60
GGTATGGAGT	CAACCTGAAT	GTCGAACACA	TGAATGGATA	AAGAAAATGT	TCACACACAC	120
AATGAAATGT	GATTAGCCT	TTAAAAAGAA	GGAAATCCTG	CCATTGGAA	CAACATGGAT	180
GAACCTGGAG	GGCATTGTC	TAAGTGAAAT	AAACCAGACA	CAGAAAGACA	AACACTGCAT	240
GACCTCACTT	ACTGTGGAAC	CCCTCGAATT	CTGGATCTCC	CTCGAG		286

(2) INFORMATION FOR SEQ ID NO:1299:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 285 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1299:

GAATTCTGGCC	TTCATGGCCT	AATGAATTAA	GTATTATTTC	TATCAATTCA	ATTGCAAATT	60
GTCAGTATCC	CCTGCTACGT	TTCTACTAAT	TTACCATCGC	TTCTTCAAA	AATTGTGTT	120
AGAGTGTAC	AATTCAGAC	TTGAAATGA	ATCACTATAA	CTTTTAAAAA	TTAGAGATT	180
TAAAAACTGG	AGATTGAATA	TATATAAAAA	ATACAAAATT	TGACATTAA	AACCTCATTG	240
AACTTTAAA	AAAGCCAGAC	TCATATTAAG	GCACACACCC	TCGAG		285

(2) INFORMATION FOR SEQ ID NO:1300:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 292 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1300:

GAATTCTGGCC	TTCATGGCCT	AGGGCCAATG	GCCAGGATCT	CTGGGGACTA	GAAGGGTGGAA	60
TTCCTGAACC	TGGGTAACAA	CGAGACAAAC	TCTAGCAATC	TGAGCAAGGG	AAGGGTCATC	120
AAAGTCCCAA	AATCTAGCCC	ACTAGCTGCC	TAGCCAGGT	AACCAAGGCT	TAGGGAGTT	180
AGACCCCTTC	ACATAAAGAA	GCTTAATAAA	AAGTGTTGGG	TGAAGAGATA	AACACATGAA	240
GGGGTTGGCT	AAAGTCAAAA	GAAGATCCGA	GGCAGGTCTA	GAATTCAATC	GG	292

(2) INFORMATION FOR SEQ ID NO:1301:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 548 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1301:

GAATTCTGGCC	TTCATGGCCT	ACTCCTCATT	TGCCACCACC	AGGCCAGTT	GTCCCTTCC	60
AAACACAGCA	ATCACCGATCG	CCTCTGCAA	GGATAGAAAA	TGAAGTGGAA	CTCTTAGGAG	120
AACATCTTCC	AGTAGGAGGT	TTTACTTACC	CTCCCATCAGC	CCACCCCCCA	ACATTACCTC	180
CATCAGCTCC	CTTGCAGTTC	TTAACACATG	ATCCCTTGCA	TCAGGAGGTG	TCCTTGGAG	240
TACCTTATCC	TCCATTATG	CCTCGGAGGC	TTACAGGATA	GTAGATACCG	ATCCCAGCAG	300

CCAATACAC	CTCCCCCTTA	TCATCCCAGC	TTACTGCCAT	ATGTGTTATC	AATGCTTCCA	360
GTGCCACCTG	CAGTGGGCC	AACTTCAGC	TTTGAATTAG	ATGTAGAAGA	TGGAGAAGTA	420
GAAAATTACG	AGGCCCTGTT	AAACCTGGCA	GAGCGACTGG	GAGAGGCAAA	GCCTCGTGGA	480
CTGACTAAAG	CAGATATTGA	ACAACCTCCT	TCTTATCGGT	TCAATCCTAA	CAACCACCAA	540
TCCTCGAG						548

(2) INFORMATION FOR SEQ ID NO:1302:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 384 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1302:

GAATTGGGCC	TTCATGGCCT	AGTATCTATC	TAGTGCCTGT	TTGTGCGTTT	TTTCTTTCT	60
TCCGCGCTT	CCCCATTITTC	CTTCTGCTCT	TTTCTCTCTG	CTCCTTGT	TCCCAGCAGC	120
ACATGGGTT	CCTCGGAGGA	GCAGAGGTGG	CCGCGTGGG	GGGGCGTTTG	GGCTCGGGTG	180
CTGCGTCATT	TTTCTTTGC	TTTCTCTTAA	CTTTAGACAC	TGGCCAAC	CCAGGGTTT	240
CCTTTCATTC	CCTCAGTGCT	TCTCTCTGA	CCTGCGATGTT	GAGTTCTGTA	TTGCTGGGC	300
TTCCAACAAA	AACCAGAGTC	ACTGACAGAG	GGAACAGCAG	AGACCTTGTT	GGTATTCA	360
TGTGATGGAT	ATAGCGATCT	CGAG				384

(2) INFORMATION FOR SEQ ID NO:1303:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 140 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1303:

GAATTGGGCC	AAAGAGGCCT	AGGGTACGTG	AATCTATTTT	TTCAAGCTGGA	AATTCTATGA	60
AATCTGGTGT	GTATTTATA	CTTATAGCAT	ATCTCGAGGC	AGGTCTAAAT	TCAATTCTAG	120
ACCTGCGCTCA	AGAGCTCGAG					140

(2) INFORMATION FOR SEQ ID NO:1304:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 620 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1304:

GAATTGGGCC	AAAGAGGCCT	AAATAAGTTT	ACTTTTATTT	TTGGTAACAC	TTTACTGCAT	60
TGTCTGAATA	TTGACAATCA	GTATGCATTA	TGAAGCTACC	TGGCTAACAT	TGTGACTCA	120
CTGTGTGTGC	CAGGCCCTGG	GTTCAATGCT	CTACATGCAC	TTATATTCA	TTTAATTCTC	180
TCTGCAACCT	GAGATGGTAT	AGCCACCTCA	TTTTACAGAG	TTGAAACTGA	GGCTCAGAGA	240
CTGAAAGTTA	AGCCTGAGGT	TGCAGTCAT	AAGAGGCAGA	GCTGGAAC	AAACCTACCT	300

GTGTCTGACC	ACCAAGTTCGT	GTTCTGACGG	CAGGCTAGTC	TGCATCACAG	AGTGTGGAGT	360
AGATGGTCA	TGCTTGCTAG	GATGGGCTAG	GTATCACTGT	AGGTAAGAAA	CAGCCCCAAA	420
CTATGAAAT	GTACACCACC	GAAGGCTCTT	TTCTGCCCC	TGCTGCACAT	CCTCCATGGC	480
TCTCTGTGC	CCTGTGCCCC	ACATGCCCTC	ATCCCTGCCAC	GAGAATAAAG	GAGCAGCCTC	540
CATATGGGAG	CTGTCAAGCTG	CTCTAAGAGA	TGAAGGAGAG	AGTGGCCGT	CTCAATGGCT	600
CCCAACTCTT	CTGCCTCGAG					620

(2) INFORMATION FOR SEQ ID NO:1305:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 736 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1305:

GAATTCCGCC	AAAGAGGCCT	ACTTTGGCT	CAATGTTTC	CAAACATTATT	TGACCCCCAA	60
ACCTTTTCA	TATACCCAAT	AATAAGCTAC	AGAACTAATA	TTCTGCAAAT	GTCTCTGGAA	120
ACACACTGCC	TTAAACAGAT	ATTTCTATAG	CTGTCAGTAT	AGTTATGTG	CTCCAAGGCC	180
TAGTTATCTC	CAGTTGTTT	AAGGGTGTAA	TGAAAAAATTC	TTAAAATATA	TATGAATTG	240
TGTAACACAC	ACAGAGACAC	ACACACATAC	TACTTTAAGG	GGGTGAGGAT	CATTAATTCA	300
GATAATTTC	AAAGTTTCTA	GTGATTCTCA	ATCTCTTGA	ATTTTACTTA	CATTTACACA	360
CACACGCACA	CACATATGTA	TATACACATA	TCATTTAAG	AAGCTGAGGA	TCACTAATTG	420
AGATAATGTA	TAAGTTTCCC	AGTGATTCTC	AACCTCTTC	AATTTTACTT	ATAATTACAT	480
ACACACACAC	ACTGCTACTT	ATATAATGT	TCTCATGTAA	TCATGGTAAC	AGCTCAAATT	540
CCCAAGCCTA	GGGAAGACTT	CTCATGTC	GTAAACCTG	TTAAAACATG	AAAATATTCA	600
TTGAGCCTAG	TTCTCTGTTA	TAAAATACAA	GAAATAAGAC	ATTCAGGCAT	TTTCCCTTTA	660
TGAAGATGTT	CAGTCATCTT	TTCTTGAAAC	TACAATTAGG	AAAAGTATAT	GTCTTATTG	720
CATTGAAGTT	CTCGAG					736

(2) INFORMATION FOR SEQ ID NO:1306:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 511 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1306:

GAATTCCGCC	AAAGAGGCCT	ACAGCAATAT	GCATCTTGC	CGTCTGGTCG	GCTCCTGCTC	60
CCTCTCTCG	CTACTGGGG	CCCTGCTGG	ATGGCGGCC	AGCGATGACC	CCATTGAGAA	120
GGTCATTGAA	GGGATCAACC	GAGGGCTGAG	CAATGCAGAG	AGAGAGGTGG	GCAAGGCCCT	180
GGATGGCATC	AACAGTGGAA	TCACGCATGC	CGGAAGGGAA	GTGGAGAAGG	TTTCAACGG	240
ACTTAGAAC	ATGGGGAGCC	ACACCGGCAA	GGAGTTGGAC	AAAGGCGTCC	AGGGGCTCAA	300
CCACGGCATG	GACAAGGTTG	CCCATGAGAT	CAACCATGGT	ATTGGACAAG	CAGGAAAGGA	360
AGCAGAGAAC	CTTGGCCATG	GGGTCAACAA	CGCTGCTGGA	CAGGTTGGGA	AGGAGGCAGA	420
CAAATGATC	CATCATGGGG	TCCATCACGG	GGCCAACAG	GCGGAAAGTG	AGGCAGGGAA	480
GTTTGGCCAG	GGAGTCGACA	ATGCACTCGA	G			511

(2) INFORMATION FOR SEQ ID NO:1307:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 219 base pairs
- (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1307:

GAATTGGCC	AAAGAGGCCT	AATTTTCCC	CACACCAC	CACTGTCTC	TGTGCCTGT	60
GAAACCACT	AAATGCCTCT	CCCCAAGCT	TCTTCAGTA	ACAACCATCT	CATCCGGTTG	120
ATTACTGTAG	CTTTCGGCCT	GTATAACCC	TCCTTATGTC	ATGCCTGTAC	CAGATGTTCC	180
ACTGCATCTG	TATCCCACCA	GATTGCACAT	ACTCTCGAG			219

(2) INFORMATION FOR SEQ ID NO:1308:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 344 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1308:

GCACTGCGCC	TGGCCCTTGT	GGATACTTTC	TAGGTGATT	GAGGAGGAAA	GGCACAGCCA	60
TGCTCCTAA	AGTTAACAG	CACTAAGCTT	TCCCAAGTAG	TGAATGTCA	AGCCTCTGCT	120
TCTGTCACTT	ATTTCGTTCAT	TCAGCAGAAA	GTCACTGAGA	GCCTCTGTA	CACCAAGGCAC	180
AGTGGCTGGC	AGTGAAGAG	ACAGACATGT	CCCTGGATCC	AGGGAGGAGA	TGACCAAGTG	240
ATGGCTGTCA	GGCCCAGACC	TTGCTGTTTG	TCTGCAGCCT	CTTCCCTCAG	GCAACTTGTT	300
CTCTATCAGG	AGAAAATGAAA	TAATTATTAT	CTGGAGCTCT	CGAG		344

(2) INFORMATION FOR SEQ ID NO:1309:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 565 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1309:

GAATTGGCC	TTCATGCTTA	AAAAGGGTCA	GAGGAAGGCA	GTATCCTTGG	GGTGGTGTG	60
AAAGTGAAA	TGGTGAACAT	TGTGATTTA	CAATCCTAAG	AAATATGTTG	ATAAGAACAC	120
ACATGCAAG	CTTGAAAGAT	GTTACTAATA	ATGTCCTACTA	TGAGAACTAC	AGAAGCAGAA	180
AACTTGCA	TGTGACTTAT	AATGGAGTTG	ATAACAAACA	GAATAAAGGG	CAGCTGACTA	240
AGAGCCCTCG	AGTTGCAAGGG	AGGCCAGATC	ATGCCACTGC	TCTCCAGCCT	GGGTGACAGA	300
GCAAGACTCT	GTGCCCCCCC	CCCACCCCAA	AAAAAAAGAA	AAACAAAATT	AAAATCTTTA	360
GTTACTGTAT	TATTCAAAAA	TGTCTACTTT	CAAGAAAAAC	TACAGCCATG	CAAAGAAACA	420
GTAAAATGTG	ACCATACTCA	GGAAAAAAAG	CAGACAATAG	AAATGGCTTC	TCAGTAGGGC	480
TATATGTTGG	ATTAGCAGG	CAAAGACTTC	AGAGGCCTTT	TAATAAGTAT	ATTCAAAGAA	540
TTACAGGAAA	ATATGAAAC	TCGAG				565

(2) INFORMATION FOR SEQ ID NO:1310:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 104 base pairs
- (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1310:

TGCACAGCTG TAGTACCCCCA AGAAGAAAAT GTTACTTCTC TCATCTGGC AAAACCCACA 60
 GAAGACTTCC CAGCTTCTGC CACATAAAAG ACACAGAACT CGAG 104

(2) INFORMATION FOR SEQ ID NO:1311:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 105 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1311:

GAATTTGCG TTCTGTTAG CATGCTATCC TGTGTGAAAG AACTGAAAT CCAATATTAT 60
 GGAGAGTATG TAAAGCCAC CTCTGAAATG AAGACCAC TCGAG 105

(2) INFORMATION FOR SEQ ID NO:1312:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 407 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1312:

GAATTGGCC TTCATGGCCT AAAGGGAAGG GAGGTGTGAG GAGGATGGAG TAAGAGTGAG 60
 AGGTCTTAAG AACATGGAGG GAGGCTGTGT GTGATCGATG GAGAAATATG GTCCTGAGAG 120
 ATTTCTTGTA GTCAAGAATG GCAAAATACAT GTCTACCTT AACTGGTATT GGAAGGAAGT 180
 AGTTCCCTGC TCTGTGCTCT AAATACTCTC TATTACCCCTC AAGATGTCAG CAAATGTGA 240
 TACATAGCAA TCTTGTTA GAGATGCTTT AGGAATTCCA GAAAACCAT GCTATCAAGT 300
 GGTAGGGAAG TGAGTGGCAA GAGGATGTCT GTCACAGAAA CTAGGGATAG AGGGGCTGGC 360
 AATGGCAGAG ATGCAGTGG AGTGGACTGA TTAAGGGAG TCTCGAG 407

(2) INFORMATION FOR SEQ ID NO:1313:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 292 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1313:

GAATTGGCC TTCATGGCCT AGGTCTTGCC ACATTGGCCA GGCTGGCTC GAACTCCTGG 60

GTTCAGTAG TCCCTCACCT CAGCCCTCA AAGTACTGG ATTACAAGCG TTGAGCCACC	120
CTCCCAGCCT TTGCCTTTT TTTTTTTT GGAGGAGAAT TAATTGATAC	180
ATAGACCCCT TAAGAGAAGG GATGCTATGG GCAGGAAGAG ATTGAAGGTA AAGGAAAAAG	240
GATTCAAGCAC CCAAGCAAA CAATTGGCCT GTGATAGAAG GGCATCTCG AG	292

(2) INFORMATION FOR SEQ ID NO:1314:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 309 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1314:

GAATTCCGCC TTCATGGCCT AGATCCAAGA AGCTCAACAG ACCTCAAGTA GGATAAACAC	60
AAACAGATCT TCACTAAGTC CTACTGCTGA AAGACAAAGA CGAGGAGAAC ATCTTGAAAG	120
CAGTGAGAGA AAAACAACTC ATTATGGAGA GAGCAATGAT AAAATTCTTA TCAGAACAGT	180
GGAGGCCAGA AGGAAATAGA GTGACATATT CAAAATGCTG AAGGAAAAAT TTGCAACTAC	240
AAGTTCTAGA TCCAGCAAA TTATCCTCA AGAATGAAG TTTAGTAAAG ACATTCCAG	300
ACCCTCGAG	309

(2) INFORMATION FOR SEQ ID NO:1315:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 469 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1315:

GGCCCCAGCT CCTGAGTAGC TGGGATTACA GGCATGCACC ACCACACCA GCTAATTTG	60
TATTTTTAGT AGAGACAGGG TTTCACCATG TTGGTCGGGC TGGTCTCAAA CTCCCTGACCT	120
CAGTGATCCA CCCGCCTTAG CCTCCAGAG TTGTTAGAATT ACAGGGGTGA GCCACTGCAC	180
CCGGCTGGGA AACATTTTA AAACGGCGCA GGGTTGTCT TGAAAGTCCC AGGTTTCCCTC	240
ATTGGCCCTG CCATTGGCGG GTGGGTGATT TCAGGCAGGA CACGCAGTGT CTGGGGACCC	300
TGGCTTCTC ACTGGAAGAC GATTGTTATG GTCCAGAGGG TGGTAACTCA GGTGTTCATG	360
TCTGATTCTG GATGTTCTCT GCAGCTGCTG GAGTCTCCTG ATTGGAGAGC AGCAAATGAC	420
TGTTCAATGA CAGTTCTAGT TGTACCTCTA GCACCCCCAC TCGCTCGAG	469

(2) INFORMATION FOR SEQ ID NO:1316:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 262 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1316:

GAATTCCGCC TTCATGGCCT AATCTATGTG TGTCACCTT CATAGAACCC TACACCAAAA	60
AAGGTGAATT TTATTCGTG ATAAATTTAA AAGTAAAACA AAAGAGACAA AAATAGTAAC	120

CAGGGAAGCT TTCAAAAAAT ATATGTTCTT GTTCAAGACC AGCATGGCCA ACATGGCGAA	180
ATCCCATCTC TAATAAAAAT AGAAAATTA GCCAGGCGTG GTGGTGGCG CATGTAGTCC	240
CAGCTATCCA GCACCGCTCG AG	262

(2) INFORMATION FOR SEQ ID NO:1317:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 497 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1317:

GAATTCGGCC TTCATGGCCT AAAGGAATGG TATTTGGCA ACGCAGACAA AGAAAGGAGT	60
GGCCCGTATG GATTCAAGA GATGCAAGA TTGTGGACCA AAGGAATGTT AAATGCAAAA	120
ACCATGCT GGGCTCAAGG CATGGATGGA TGGCGACAC TTCAGTCCAT ACCCCAGCTC	180
CGAGTCATAT AAGGTAACCC AGACAACAC CTACGAATTAA AGAGCTCTA TAAGTTGCC	240
TTTCTGCATC CGAAGTGTGA TATTTGAAAG TTAAAAAACGT TATCTTACAT ACATAGATCT	300
AAAAACGTAT CTTACACCAC AACCTACTCA CAGATGCAAA GGCAGTGGTC GTGGTCTTCC	360
ATTGCTTGGG GTCTGGGGC CGGGTTGAG GCTGAATGTC AGGGTTTCCT TTGCCATAAC	420
CTCATCTGC ACCACGTGCT GTCAGCCAGG CAGCCAATGT GGACTTGGAG GCTGGCATCT	480
GCTGGGCACT GCTCGAG	497

(2) INFORMATION FOR SEQ ID NO:1318:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 451 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1318:

GAATTCGGCC TTCATGGCCT AATCTGGATG TCTGTCCAAG GCCTGACTGC TGAACCTCTA	60
CTTTTCCTAC AAAACCCCTAC CCACATGGCC CTTCTGGCG GAAGAGATCT TGAGCCTCCC	120
TGGCTATTAA GACTCTGCTG TGCAGCCTTC TTTTACTGGGA CTCAGGGCTA TCTTCCCCAG	180
ACTAGGGCCT TCTTGAGGAC AATCGTGGTG GCCCAGTGGT TGACGCTGTC TCCCCTGCAT	240
GTAGTTGGTC TTCTGGTTG CTTCTTGCCTC CTGTTGGCTCC CTTGGGAGAC TGAAACTCAG	300
AGGACAGCTT CTGGTCTGCT GTTACATGGC TCCCACAGGG AGACTGGCCC CACCTGTGCC	360
CCACCCATCA CAGCTAGGGC CTGGGATGGG TCAGACACTG GAAGAGCCTC CCCCTAGGCC	420
ATGCATATGG ATCGTGGCCA CACGCCCTCGA G	451

(2) INFORMATION FOR SEQ ID NO:1319:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 477 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1319:

GAATTCTGGCC	TTCATGGCCT	ACACTACGGT	ACTCCCAGCA	TATCACCCCTT	AATGTAAC	60
TAATAAACAT	GGCCATT	TTTAAAGGAC	ACAGGAAC	CTAACAC	TTTTTCAGAT	120
TTTGAAAAT	TCTAAATATG	TCTAGAAAAA	CTTTCTTC	TGTTCCATTC	TCCTTCCTAT	180
TCTCCATGAC	CCCCCTCCCG	CGGACTGTAT	CAGGTACAGC	CTGTTGGAAA	TCCAGCACC	240
CACATTAGGC	ACACCAAGTGG	TAAGTTTACT	TGTTGACTTA	TCACCTT	TTTCCTTTA	300
ATCAGAGAGG	CAGCTCTGTG	TTGAAGATGC	TAGGTAGTGA	TGGAAAAGAC	ATTAGGAAA	360
TTTGTACCG	TGGTAACCGG	GGATGGACAT	CATGAC	TGTGATATGC	ATGCTGTGGC	420
CTTGGTAGTC	TCTTCCCCTA	ATTAACATCC	TGTGAGAAC	GTGAGAGATG	ACTCGAG	477

(2) INFORMATION FOR SEQ ID NO:1320:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 284 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1320:

GAATTCTGGCC	TTCATGGCCT	AGACGGAGGC	TGGAGATTCA	CATGGGGCGA	GGAGTTGCAG	60
ACCAGCCTCG	GCAAAGCATG	GTGAGGCC	GTCTCTGCAG	AAATGAGAAA	ATGAGCTGGA	120
TGTAGTGGCA	CCGACATGTG	GTCCCAGCTG	CTGGGAGGGC	TGAGGTGGGA	GGATTGCTTG	180
AGCCTAGGAG	TTCAAGGCTG	CGGTGAGTAG	ATCGTGCAC	TGCGCTCCAT	CCCTGGCAAC	240
AGAGCAAGAT	CATTCTCAA	AAAGAAAAAA	AAAGCCATCT	CGAG		284

(2) INFORMATION FOR SEQ ID NO:1321:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 254 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1321:

GAATTCTGGCC	TTCATGGCCT	AGGGAAATGT	GTGATTGGGA	AAGAGCAGC	TTTTAAAAAT	60
GTGCTGGCC	TTTGACCACG	CAATTCTACT	TTCCAGTATT	TATTCTAGGA	AAATACTCAT	120
ACTATTGCAA	AGTTTATATA	TAAAGATAGT	TATAACTGCA	TTGTTATCA	TTTACAAAAA	180
GAAAACATCT	GAAAGCCCAA	CAAGACGGAA	CTGGTTATT	CACATTGCA	CATTCTACAC	240
AGGCAATGCT	CGAG					254

(2) INFORMATION FOR SEQ ID NO:1322:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 352 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1322:

GAATTCTGGCC	TTCATGGCCT	AGGCACAGAA	AAATTGGAAA	GGATTGGTGG	TCGTACATCT	60
TGCAGCTCAC	TTAGTAGCTG	CATGCATGTA	GACCGGGTGG	TGTTGATGCA	GTGTTGACTT	120

GCTGGCATTC	GGGTGGCTGG	TACCATGGTC	AAGCTGGCTG	AGTGATGGGA	TATTGTCTCA	180
GAGGTTGGTG	CAGGGAAACT	CTGTGGGTGT	GTCTAATGCA	AGGATAATGA	CAATGTCCTG	240
TCTGCCTGGT	CTTGGGGGGG	TCAGGTGGAG	ATGTCCTTT	GGAAAGGCAG	CCATTCTCTT	300
TGAGTGTCCA	GAGGGCATGG	TGCAGGCACA	TGGATTGAGT	GGAGGACTCG	AG	352

(2) INFORMATION FOR SEQ ID NO:1323:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 440 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1323:

GAATTCGGCC	TTCANGGCCT	ACTGTGTGTA	GAATTCTGTT	TTCTCATGAT	ATTGAAGACA	60
TTATTCCAGT	ACTTTGACTG	CTAGTATTGC	TGTTGAAAAG	TCTTAATTGC	CCTTCCTTTG	120
TAAGTAATAA	CCCTTTTATT	TGGCTGTGTT	AAGCCTTTT	TTTCCCTTC	CATTAGTGT	180
TTTGAGTTT	TGTATAATGT	ATTGAGGGCC	TTATTTTTT	CATTCCATCA	TTTATTTTTT	240
TGTAATCCA	CTTGGGATT	TTGGGCTTC	CTGGATCTGA	GGATAATAAT	AATGTCTTG	300
ATAAATTGTG	GAAAATTCTT	AACCAATTATC	TCTTGAAATA	ATGCTCTTA	TTTCTCCTT	360
CTATAACTCT	AATTAGACAT	ATAGTCTATT	TTTCATGTTA	CTTATGCCTT	TTCATCCTTT	420
TTCGTCCTCA	CATACTCGAG					440

(2) INFORMATION FOR SEQ ID NO:1324:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 280 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1324:

GAATTCGGCC	TTCATGGCCT	AATTGAATTC	TAGACCTGCC	TAAAATGCC	AGTTACCTGA	60
AATTGTATAA	ATTCTTGCCA	AAAGTGTGTT	AACTTAATAC	AAACTTCCCA	TCTCTTACCT	120
CTTAGCACTG	TGCTCATCTT	GAGGGGACAT	AGTCCAATT	TTGTATTTA	TATAATACTG	180
TTAATGAATA	TGTGTAGACT	TCATATGGTT	GTGGGTAAGA	GAATACTGCA	TTCAGATAGA	240
AAAGATGCTA	TATAGCTAAG	TTGATCCCG	GATCCTCGAG			280

(2) INFORMATION FOR SEQ ID NO:1325:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 281 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1325:

GTTTCCTTTT	CTACTTACAA	AGAAAATAAA	TAGAAATAGA	TTTTACATGC	TTTATTTCTT	60
TGAGACAAGC	CATTGTAAAT	TGTTACTAGA	CTAAGTAGTA	GTATACCACT	CATTGACTGG	120
TCTTTCAAC	TCCACTCAA	TTTGAAAAAA	GCAATTCCCTC	TTATACATAC	ATCTTTTTG	180

TTTTTTAAGG TTTTGTGTTG TGTGTTGGTTT TTTGGCAAAA CATGATACAT TTCTCATGCT 240
 TGATCTAAAG AGGCTTTACA TAAGAGACAG AGTCGCTCGA G 281

(2) INFORMATION FOR SEQ ID NO:1326:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 348 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1326:

GAATTCTGGCC	TTCATGGCCT	ACTATCTTGA	ATGTCCA	ACT	CCA	ACT	CCTA	ATT	ATTTAA	60
AAATCTATGC	ACTTCTTTCA	CTTGA	ATTTC	TAT	GCC	CCTCA	TAGACT	TTAC	AGGCACATGT	120
TCTATCACCA	ATTAAGAGAA	ATTTA	ACTTA	CAC	ATTTAC	AACTT	TATACA	TGCA	ATTG	180
CTGAGCTTAT	ACAGCAGAGA	TCAAC	ATTAC	AAT	CTG	CCATGTT	AAAAA	AAA	AGTGTAA	240
TCAGTGAACA	TTGTTGGGCT	GACCTA	ATT	TTG	AAATAA	GTTGGCC	CATC	AGTGTAA	ATTG	300
ATTGAGCTAT	CTGTACAACC	CCC	AAAC	CTAC	CTAAG	CAAAG	GG	CTCGAG		348

(2) INFORMATION FOR SEQ ID NO:1327:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 680 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1327:

GAATTCTGGCC	TTCATGGCCT	ACACGGACTT	ACATCC	CAT	TACT	ATTCTG	CCTAG	CAAAC	60
TCAA	ACTACG	AACG	CACTCA	CAG	TG	CGCATC	ATA	ATC	120
CTCC	CACTAA	TAG	CTT	TTTG	ATG	ACTT	C	AACT	180
ACT	ATTA	TAC	T	GGAGA	A	CT	TCT	CTG	240
ACT	CTCT	AC	T	GGAG	C	TA	CTC	CTG	300
ACCA	CTAC	TTAC	AGG	ACT	AA	CA	AC	AT	360
ACCA	ACTAC	TTAC	AGG	ACT	AA	CA	TC	AT	420
AGAA	ATATAA	GCT	CCATGGT	G	CGA	GAG	AT	TG	480
TATA	ACTAGG	CC	ATGGT	C	TG	AGA	AA	TT	540
ATAAC	AACT	CC	ATGGT	C	TG	AGA	AA	AA	600
ATC	CTTA	CC	ATGGT	C	TG	AGA	AA	AA	660
TGA	AGATAA	CC	ATGGT	C	TG	AGG	AT	AA	720
ATTAG	AAATG	CC	ATGGT	C	TG	AGG	AT	AA	780
CC	TCTACC	CC	ATGGT	C	TG	AGG	AT	AA	

(2) INFORMATION FOR SEQ ID NO:1328:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 499 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1328:

GAATTCCGGG	CCGGCGTCGAC	TGTCAGTGG	CTTCTTGGCT	CTCTTATATA	TATTCCTTAT	60
TGTCACTTAC	TTGGTGGAC	GAAGAGAAGG	AGAGAGTTGG	AATTGGGCCT	GGGTCCCTCAG	120
CACTAGATTG	GCAAGACATA	TTGGATATTG	GGAACTCCCT	CTTAAATTGA	TGTTTGTGAA	180
TCCACCTGAG	TTGCCAGAGC	AGACTACTAA	AGCTTTACCT	GTGAGCTTT	TGTTTACAGA	240
TTACAATAGA	CTGTCCAGTG	TAGGTGGAGA	AACTTCTCTG	GCTGAAATGA	TTGCAACCCCT	300
CTCGGATGCT	TGTGAAAGAG	AGTTGGCTT	TTGGCAACC	AGGCTTTTC	GAGTATTCAA	360
GACTGAAGAT	ACTCAGGGTA	AAAAGAAATG	AAAAAAAACA	TGTTGTCTCC	CATCTTTGT	420
CATCTTCCTT	TTTATCATTG	GCTGCATTAT	ATCTGGAATT	ACTCTTCTGG	CTATATTTAG	480
AGTTGACCCA	AAGCTCGAG					499

(2) INFORMATION FOR SEQ ID NO:1329:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 200 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1329:

GAATTCCGGG	CCGGCGTCGAC	CGCTGCCAAA	TGCTTCACTC	CTATCTACTC	TCCCGATTC	60
TTATACCTCT	GAACCTCCTC	AACAGAAATC	TTGCTCTCTC	CCTAAATCCT	CAGTGCAACA	120
TACGTCCGCA	AAAACCTAAAT	GATCCCTCCT	CAGCCAGAGCA	GAAAACCTCTC	AACATATCAA	180
CACTCCCAAG	GGGTGGACAG					200

(2) INFORMATION FOR SEQ ID NO:1330:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 158 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1330:

GAATTCCGCC	AAAGAGGCCT	ACAGTCTTTT	TAGGCATGTT	TTTTTTTTTT	TTGGTGTGTG	60
TGATGACAGG	AATATGCATT	TTATCTGTAG	TGGTTTTAAA	TCCTGTATTA	AGCCTTGT	120
TCTTTTCAGA	CTGCAAAATT	CAAATGGGG	CTCTCGAG			158

(2) INFORMATION FOR SEQ ID NO:1331:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 552 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1331:

GAATTCCGGG	CCGGCGTCGAC	GATCATGAAG	CGCTCGGTAG	CCGTCTGGCT	CTTGGTCGG	60
CTCAGCCTCG	GTGTCCCCCA	GTTCGGCAAA	GGTGATATTG	GTGATCCAA	TCCATGTGAA	120
AATGGAGGTA	TCTGTTGCC	AGGATTGGCT	GATGGTCTCT	TTTCCCTGTGA	GTGTCAGAT	180
GGCTTCACAG	ACCCCAACTG	TTCTAGTGT	GTGGAGGTG	CATCAGATGA	AGAAGAACCA	240

ACTTCAGCAG	GTCCTGCAC	TCCTAATCCA	TGCCATAATG	GAGGAACCTG	TGAAATAAGT	300
GAAGCATACC	GAGGGGATAC	ATTCATAGGC	TATGTTGTA	AATGTC	AGGATTTAAT	360
GGGATTCACT	GTCAGCACAA	CATAAATGAA	TGCGAAGTTG	AGCCTTGCAA	AAATGGTGGAA	420
ATATGTACAG	ATCTTGTGTC	TAACTATTCC	TGTGAGTGCC	CAGGCGAATT	TATGGGAAGA	480
AATTGCAAT	ACAAATGCTC	AGGCCACTG	GGAATTGAG	GTGGAATTAT	ATCAAACCGAG	540
CAAATCCTCG	AG					552

(2) INFORMATION FOR SEQ ID NO:1332:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 760 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1332:

GAATTCGCGG	CCCGCGTCGAC	CTCAGAACTA	TTTAAATTAA	GTAAATTAC	TATTATATTT	60
TATAGTAAAT	ATTGGTCCAC	TTTATAGCTC	AGAACCTAAA	AAGAGAAATAT	GTACCCAAAC	120
TTCTCTATGT	TTACAACCAA	CCCAGAGTTT	AAGATTCTGA	ATTGTC	TTTGTGCTTT	180
AAATTAAACC	AAGGGTCAGG	CACAGAGGCT	CATGCCATA	ATCCCAGCGC	TTGGGAGGC	240
CGAGGGCGGT	GGATCACTTG	AGTTCAGGAG	TTCGGGACCA	GCTGCGCCGG	CATGGTGAAA	300
CCCCGCTCT	ACTAAAAATA	CAAAGTTAG	CCGGGTGTTG	TGGCATGTGC	CTGTTGCCCC	360
AGCTGCTTGG	GAGGCTGAGG	CAGGATAATC	NCTTGAACCCC	AGGAGGCAGA	GGTTGCANTT	420
GCAGTGAGCC	GGGATTGTC	CATTGACTC	CAGCCTAGGC	AACAGAGCG	AAACTCTGTC	480
TTAAAAAAA	AAAAGAAAAAA	AAAATTAACC	AAGGTCTCC	TTTCTCTAA	TCTAGCAATT	540
TGTTCTATTT	TTCAGAAAATA	AACTTAATAA	TTTTAATACA	GATTTAGCT	TTGGCTTTTT	600
TCTTACTTTT	TAGTTTGCAA	ATTATTTAT	GGTATTCTCA	CAAAGTAGAT	ACAAATTGTC	660
ATTCAAGATG	CACCTTTGT	TTTCTGGGT	TTTTTGTGTT	GTTGTTGTTG	TTTTCAAGAA	720
AACTCATGGA	AAAGTACACT	GTTCACCTCA	GCATCTCGAG			760

(2) INFORMATION FOR SEQ ID NO:1333:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 579 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1333:

GAATTCCGGCC	AAAGAGGCCT	ANAACTGGGT	AAGGAGCAAA	AAAAGTGACA	GAGGCCAGGC	60
GCGGTGGCTC	ATGCCTACAA	TCCCAGCACT	CTGGCCAAAT	ATTGATTTT	AAATTCCCAT	120
TGTTACTGAT	TTAAAAAAA	AAAATCTGG	ACCAGTTAAC	CTGGAGATT	AGAGGCTATA	180
GACACAAATT	ACACATCCATA	CAGGCCCTGTG	AACTTCATGC	AGAGAACAAA	CAAACAAACA	240
AAAACTCTAA	TTCAGAGTCT	CTCATTTCAAG	CTTAGCCAAAC	ACATTGGAG	ACTTAGGGGC	300
CAGTTCTAGA	AGCTGCTTT	ACCTCTAGAC	TCGGAGGGC	AGGCCCTGTC	ACCGAAGGGA	360
GGAAAACCTCT	TCTTGGCTGT	CAGCCGGAT	TGAAGCCACT	TCGCTTCCCC	TGGCCCCAGC	420
TTTCCCTGAC	TCTTTTCACC	GTGTCTGACA	CAGGGCAAAC	CACCAACCAC	TCAAATGAGC	480
AAACAAATTCC	AGAAAAAAGA	ATCCGAGATA	AAGAATAACC	AACTAGGAGT	CTTTCATTG	540
TAGCCTAAAC	CGTCGATTGA	ATTCTAGACC	TGCCTCGAG			579

(2) INFORMATION FOR SEQ ID NO:1334:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 521 base pairs

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1334:

GAATTCCGGG	CCGGCTCGAC	CAACAAGGGC	AAAGCCTTG	AGACACAAAC	CAACTGTGTG	60
GGTGTAAAGG	TAAGAAAGGC	CAGTGAGGCC	AGCATGATGA	ACTGGGGGAG	CATGGTGGCT	120
GATTCTGTCA	GGAAAGGGAAAC	AAAACAGAG	CCACTTGGGA	TCTTCTAGCC	AGAGTAAAGA	180
GAATGAGTTT	ATTCTTATTG	TAATGGGGAG	CTATTCAAGAG	AGTTTAATCA	TGGAAGTGAT	240
GTGACCTGAG	CTACACTCTT	AAAAGATGCC	TCTGGCTGCT	GTCTGGAGAA	TGAACCATGG	300
GGGCAAAAGC	AGAAAACAAGA	AGACCACTTA	AGAGGCTCTT	GCAATAATT	ATGTGAGAAG	360
AGTGATCATC	TTGACTAGGG	TGGTGGTGGT	AGAGGAGGTG	AGTGGTGGTC	AGGACTGAGA	420
GGAGCCAACA	GAATTGCTG	CCTTGCTTGG	ATGTGGTGA	TGAGGCAAAC	TGAGAATCCA	480
AGATGGCACC	AAGGCTTATA	CCCTGAGCAA	CTGAACCTCGA	G		521

(2) INFORMATION FOR SEQ ID NO:1335:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 775 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1335:

GAAATTCCGG	GCCGGCTCGA	CGCTCTTGAG	TGAGACCCAA	CAAGCTGCTT	TTCACCAAAT	60
TGCAATGGAG	CCTTCGAAA	TCAATGTTCC	AAAGCCCAAG	AGGAGAAATG	GGGTGAACCTT	120
CTCCCTAGCT	GTGGTGGTCA	TCTACCTGAT	CCTGCTCACC	GCTGGCGCTG	GGCTGCTGGT	180
GGTCCAAGTT	CTGAATCTGC	AGGCGCGGCT	CCGGGTCTG	GAGATGTATT	TCCTCAATGA	240
CACTCTGGCG	GCTGAGGACA	CCCCGTCCTT	CTCCTTGCTG	CAGTCAGCAC	ACCCCTGGAGA	300
ACACCTGGCT	CAGGGTGCAT	CGAGGCTGCA	AGTCCTGAG	GCCCAACTCA	CCTGGGTCCG	360
CGTCAGCCAT	GAGCACTTGC	TGCAGCGGGT	AGACAACCTC	ACTCAGAAC	CAGGGATGTT	420
CAGAACATCAA	GGTGAACAAG	GGCGCCCGAG	TCTTCAGGT	CACAAGGGGG	CCATGGGCAT	480
GCCTGGTGC	CCTGGCCCGC	GGGGACCACC	TGCTGAGAAG	GGAGCCAAGG	GGGCTATGGG	540
ACGAGATGGA	GCAACAGGCC	CCTGGGGACC	CCAAGGCCA	CCGGGAGTCA	AGGGAGAGGC	600
GGGCCTCAA	GGACCCCGAG	GTGCTCCAGG	GAAGCAAGGA	GCCACTGGCA	CCCCAGGACC	660
CCAAGGAGAG	AAGGGCAGCA	AAGGCAGATGG	GGGTCTCATT	GGCCAAAAG	GGGAAACTGG	720
AACTAAGGGA	GAGAAAGGAG	ACCTGGGTCT	CCCAGGAAGC	AAACAGAGAC	TCGAG	775

(2) INFORMATION FOR SEQ ID NO:1336:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 155 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1336:

GTAGATTTAG	ATGTACAGAT	AGAGGTATGA	TTTTTTAAA	AGGCACCTCA	GTATGGTAA	60
TGTTATCTTT	CTTGTGTTTC	AGTGCACACA	CATACACACA	CACCATAGAT	GCAAAGTGTG	120
TAGAAAAATGT	ATTGAAGGAT	ACCCAGGTAC	TCGAG			155

(2) INFORMATION FOR SEQ ID NO:1337:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 138 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1337:

GAATTCGCGG CCGCGTCGAC ATTCAAGCAA ATAAATATAT TACTAAAATG CTACCTGTTT	60
CTTTTCCTC TTTTCTTCC AGTTTTAGTT TATGAGATTG GGTCTTGCTA TGCTGCCAT	120
GCTAGGCATG AACTCGAG	138

(2) INFORMATION FOR SEQ ID NO:1338:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 249 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1338:

GAATTCGCGG CCGCGTCGAC CTAAACCGTC AATTCTTCCC ATCTTAGGTT TCTCTCTCG	60
GAAGCCCTCT CTTTAGAACATC GAACATTTTC TCTTCTGGCT TTGTTCCGAT GGTTCTGGT	120
CTGTTCTTT CTTGCTCCCT CGTGGCTTTC ACTTCTGTTT TCTTTCCAG AATGACGGTC	180
CTCTCATTTG ACCGTGTGCT TTCCGAAGCA CCTGCTGCCA CCTTGTCTCG GCGATCCCGG	240
TTACTCGAG	249

(2) INFORMATION FOR SEQ ID NO:1339:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 108 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1339:

GAATTCGCGG CCGCGTCGAC AAAACAACAC ATTTAAAGA TTACGTGCTT CTTGGTACAG	60
GTGGTGAAAT GACAGTTTAT CGTCATGCTG TTAGTGTGCA TCCTCGAG	108

(2) INFORMATION FOR SEQ ID NO:1340:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 652 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1340:

GAATTGGGCC	AAAGAGGCCT	AATAGAAGGC	ATTCCATATT	TGTTCAATGA	ATTAACAAAT	60
GTTCATTCATA	TTAATTGTTTC	TGATTTTAC	CTCCTTAGGC	CAGCCTTAT	TATTGCCATA	120
TAAGCCTTCT	GGTAGTACCA	AGATGTATTA	TGTTCCACAA	TTAAGACAAA	TTCTCCATC	180
TCCGGATTCC	AAATCAGATA	CCACCGTTGA	AAGCTCCCAT	TCAGGATCCA	ATGATGCCAT	240
TGCTCCAGAC	TTCCCAGCTC	AGGTGCTAGG	CACAAGAGAT	GATGACCTCT	CAGCCACTGT	300
TAACATTAAGA	CATAAAGAAG	GAATCTACAG	TAAGAGGGTA	GTAAGCTAAGG	CATCCTTGCC	360
AGTGGGAGAA	AAACCCCTGC	AGAATGAAAAA	TGCAAGATGCC	TCAGTTCAAG	TGCTAATCAC	420
TGGGGATGAG	AACCTCTCG	ACAAAAAAACA	GCAAGAGATT	CACAGTACAA	GGGCAGTGAC	480
TGAGGCTGCG	CAGGCTAAAG	AAAAAGAATC	TTTGAGAAA	GATACTGCAG	ATTCCAGTGCG	540
TGCTGCTGCT	GCAGAGCACT	CAGCTCAAGT	AGGAGACCCA	GAAATGAAGA	ACTTGCCAGA	600
CACTAAAGCC	ATTACACAGA	AAGAGGGAGAT	CCATAGGAAG	AACGACCTCG	AG	652

(2) INFORMATION FOR SEQ ID NO:1341:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 817 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1341:

GAATTGGGCC	AAAGAGGCCT	ACGTGCCATT	TCTCTTCAC	TATGAGAGGA	CCGATTGTAT	60
TGCACATTTG	TCTGGCTTTC	TGTTAGCCTTC	TGCTTTTCAG	CGTTGCCACA	CAATGTCCTGG	120
CCTTCCCCAA	AATAGAAGG	AGGAGGGAGA	TAGCACATGT	TCATGCGAA	AAAGGGCAGT	180
CCGATAAGAT	GAACACCGAT	GACCTAGAAA	ATAGCTCTGT	TACCTCAAAG	CAGACTCCCC	240
AACTGGTGGT	CTCTGAAGAT	CCAATGATGA	TGTCAGCAGT	ACCATCGGCA	ACATCATTAA	300
ATAAAGCATT	CTCGATTAAC	AAAGAAAACCC	AGCCTGGACA	AGCTGGGCTC	ATGCAAACAG	360
AACGCCCTGG	TGTTCCACA	CCTACTGAGT	CAGGGTGTNCC	TCAGCTGAAG	AAGTATTG	420
TTCCAGCCAG	CCAGAGAGAA	TATCTCNTGA	AACTGGGANTT	GCCAAGGCCA	TGTTAACCAT	480
TGCTATCACT	GGCACTCCTT	CTCTGACTGT	TGATGAAAAG	GAGGAACCTCC	TTACAAGCAC	540
TAACCTTCAG	CCCATTGTA	AAGAGATCAC	AGAAAACCACA	AAAGGTTTC	TGAAGTATAT	600
GGATAATCAA	TCATTTGCAA	CTGAAAGTC	GGAGGAGTT	GGTTGGGAC	ATTCACCTTC	660
ATCCATATGTG	AATACTAAGG	AAATGCTAAC	CACCAATCCA	AAGACTGAGA	AATTGAAAGC	720
AGACACAGAC	CACAGGACAA	CTTCTTTCC	TGGTGTGAG	TCCACAGCAG	GCAGTGAGCC	780
TGGAAGCCCTC	ACCCCTGATA	AGGAGAAGCA	CTTCAG			817

(2) INFORMATION FOR SEQ ID NO:1342:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 476 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1342:

GAATTGGGCC	AAAGAGGCCT	AGCACCATGG	ACAACCCACA	GGCTCTGCCA	CTCTCCCTAC	60
TCCCTGGGAT	CCTCACCCCTC	AGAGCCTCTT	CTGGACTTCA	GCACACCAAC	TTCTCCCTCG	120
CCTTCTCTTC	AGACTCAAAG	AGCTCTTCCC	AGGGGCTGGG	TGTGGAAGTT	CCCTCCATCA	180
AACTCTCCAG	CTGGAAAGTT	CCAGATCAGT	TCCTGGATTC	AAAAGCTCT	GCTGGAATCT	240
CTGATTCCAG	CTGGTTTCCT	GAGGCCCTGA	GTTCCACAT	GTCTGGGTCC	TTCTGGTCAA	300
ATGTTCTGC	TGAGGGCCAA	GATTTGAGCC	CGGTTCCCCC	CTTCTCTGAA	ACCCCTGGTT	360

CTGAAGTATT TCCTGATATT TCGGATCCTC AAGTTCTGC CAAAGACCCC AAGCCTTCCT	420
TCACTGTTAA GACCCCAGCT TCAAACATTT CTACTCAAGT CTCCCATCTC CTCGAG	476

(2) INFORMATION FOR SEQ ID NO:1343:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 726 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1343:

GAATTCGCGG CCGCGTCGAC CAGGAAATGA AGACATTGCC TGCCATGCTT GGAACATGGGA	60
AATTATTTG GGTCTTCTTC TTAATCCAT ATCTGGACAT CTGGAACATC CATGGGAAAG	120
AATCATGTGA TGTACAGCTT TATATAAAGA GACAATCTGA ACACCTCATC TTAGCAGGAG	180
ATCCCTTGA ACTAGAATGC CCTGTGAAAT ACTGTGCTAA CAGGCCCTCAT GTGACTTGGT	240
GCAAGCTCAA TGGAAACAACA TGTGTAAAAC TTGAAGATAG ACAAAACAAGT TGGAAGGAAG	300
AGAAGAACAT TTCACTTTTC ATTCTACATT TTGAACCAGT GCTTCCTAAT GACAATGGGN	360
TCATACCGCT GTTCTGCAAA TTTTCAGTCT AATCTCATTG AAAGCCACTC AACAACTCTT	420
TATGTGACAG GAAAGCAAAA TGAACCTCTT GACACAGCAG GAAGGGAAAT TAACCTGGTT	480
GATGCTCACC TTAAGAGTGA GCAAAACAGAA GCAAGCACC GGCAAAATTC CCAAGTACTG	540
CTATCAGAAA CTGGAATTTC TGATAATGAC CCTGACCTTT GTTCAGGGAT GCAGGAAGGG	600
TCTGAAGTTT ATTCTAATCC ATGCTGGAA GAAAACAAAC CAGGCATTGT TTATGCTTCC	660
CTGAAACCATT CTGTCATTGG ACTGAACTCA AGACTGGCAA GAAATGTAAA AGAACACCA	720
CTCGAG	726

(2) INFORMATION FOR SEQ ID NO:1344:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 484 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1344:

GAATTCGGCC AAAGAGGCCT AGGGACAGCA ATCAAGTTCT AATGGTGCTC ACTTTTTAGG	60
TCACCTTCAT CACAGACTGC TCCAAAGCA GAGGAATGTG GAACGAACCA GCACATTAC	120
TTAACATCAA ACTATGATAC ATCTCTTGA GCGCCTCACT TCACAAATAGG GATCCATTCA	180
TTGGCTTCCA GATGATGTTC ACAGTTCATG TAACACTGAT ACTGACTTGT TTCCCTTATGT	240
TTAGAGCT TCTCTGTCTA TACTTCTCAG AAACACCATC AACAGAACAA GAGCCACTTA	300
TTATCCACAA AAGTTCATC AACCAAGCTT CCTTCTGGGA GGGATGGATG GTACCCAAAT	360
ACTCAAACCTG AACCTCTATAG TGTGGAGCAA CCAAACAGAA AACAGTCCAA GGATTCAGGA	420
AATGGTAAA ACATTTAAA TCTAAATAGT AGTTATTTTC ATTTTGTCT GCTCCACCT	480
CGAG	484

(2) INFORMATION FOR SEQ ID NO:1345:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 125 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1345:

GAATTCTCGCGG	CCCGCTCGAC	ATGAGTTAA	TTTTTTTTT	TTTTTTTACA	CTTTACATAG	60
AAATAGGATT	ATCTGGGCTG	GGCACAGGG	CTGACGCCTG	TAATCCCAGC	ACGTGGAGGC	120
TCGAG						125

(2) INFORMATION FOR SEQ ID NO:1346:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 760 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1346:

GAATTCTGGCC	AAAGAGGCCT	AGACCCAGCG	TACATACTGA	ATGATCTCTA	CATCTCAGAC	60
TACTGTGTGT	CGATTCAGAA	AGTCAAATCC	AAAAAGTTGG	CAGCTCTTGC	AGAACCTTA	120
AAAGGAAGTCT	CCCTTACAAA	GGCCCAGCTG	GGGTTAGAAC	TGGAAGAACT	AGAACGAGCA	180
GCACACTTG	TCCAGGAGGA	AGAAACTGCA	TTAAAAGCAG	CCCATTCACTG	TTCTGGGCAG	240
CAGACACTTT	GCTCCAGCTC	TGAGGAAGT	GATTCGGAGG	ACTCAGACAG	CAGCGTGTCA	300
TCTGGAAACG	AAGACTCAGG	CTCAGATTCA	GAACAAGATG	AACTCAAAGA	TAGTCCCATCT	360
GAGACAGTCA	GTTCTTGCA	AGGTCCCTTT	CTTGAAGAAA	GCAGTGCTT	TCTTATTGTT	420
GATGGTGGAG	TACCGAGAAA	CACAGCCATC	CAGGAGTCTG	ATGCCAGCTCA	GGGAAAGCCA	480
CTTGCCTCTT	CTTGGCCTCT	TGGAGTGTCT	GGGCCTCTGA	TAGAGGAGCT	TGGGGAAACAA	540
CTGAAGACTA	CAGTCAGGT	TTCTGAACCC	AAGGGCACCA	CTGCTGTAAA	CCGCAGCAAT	600
ATTCAGGAGA	GAGACGGCTG	TCAGACACCA	AATAATTGAC	TCTTAGGTGG	TTTTATTCCAT	660
TGTTGAGAAA	TATGGTAGAT	TGGGTTTCAT	TTACCGAATG	AGAATTCTTC	ATTTTCACTT	720
TGTAATTTTT	CTTAGTATAT	AGTCAGCCCA	CACTCTCGAG			760

(2) INFORMATION FOR SEQ ID NO:1347:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 352 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1347:

GAATTCTCGCGG	CCCGCTCGAC	CATTTCTGAGA	GTCCGTCTTG	TAAATGTTTG	GCACTTTGCT	60
ACTTTATTGC	TTCTTCTGG	CGACAGTTC	AGCACTCGCC	GAGACGGCG	GAGAAAGGCA	120
GCTGAGCCCG	GAGAAAGAGCG	AAATATGGGG	ACCCGGCTA	AAAGCAGACG	TCGTCTTCC	180
CGCCGCTAT	TTCTATATTG	AGGCAGTGG	TACATCAGGG	AATAATTCA	CATCTCTCC	240
AGGCGAAAAG	GTCTTCCAGG	TGAAAGTCTC	AGCACCAGAG	GAGCAATTCA	CTAGAGTTGG	300
AGTCCAGGTT	TTAGACCGAA	AAGATGGGTC	CTTCATAGTA	AGATAACCTCG	AG	352

(2) INFORMATION FOR SEQ ID NO:1348:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 251 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1348:

GAATTCCGGG CCCCGTCGAC TCTAGTTTT CTGATTTGA TGGTAATATG GTATTCTGGG	60
AAATATCTGT CCAAATTATC CTGATCTCTG AACTCCTGCT GTTGAGGGTCA GTCACCTCAC	120
ACAATACCAT GATGACAGCT TTATCAAGCC AGATGCTTAG TCAGAGCTTT CCAAGACCCA	180
GCTTTGGTTT TATCAGCAAA ATCCATCCTT CCCACCCCCC ATACACACGC CAGTTGAGA	240
CTCCTCTCGA G	251

(2) INFORMATION FOR SEQ ID NO:1349:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 309 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1349:

GAATTCCGGG CCCCGTCGAC CTAACCCGT GATTGAATTG TGGACCTCCT GTGCAAGAAC	60
ATGAACCATC TGTGGTTCTT CCTTCTCCCTG GTGGCAGCTC CCAGATGGGT CCTGTCCAG	120
GTGCAGGTGC AGCAGTCGGG CCCTAGACAG GTGAAGCCTT CGGAGACCCCT GTCCCTCAGT	180
TGTACTGTCT CTCTCGGCAGC CATGAATGTT CATTACTGGA CCTGGATCCG GCAGACCCCG	240
GGAGGGAGAC TGGAGTGGAT TGGATCTGTC TATTATAATG GAAACAGAGT GTATCACCC	300
TCCCTCGAG	309

(2) INFORMATION FOR SEQ ID NO:1350:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 553 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1350:

GAATTCCGGG CCCCGTCGAC AATTACTACC ATTGTTAAGT GTCTCTTTAA CTAACATCAT	60
TGTTTAAAG TTTTCTCCCT CTCTGTTCTT AAATCCAAT TTCTGCTCTG GAATATAATG	120
TAGAAGAGAT ACATTTGTTG GAATGTTGCTT ATTTCTTTA TGAAATGCAG TATCTTTGG	180
GGAAATTTAT GTAATGAAA TACCAATTAT TTAAAAGAG CATTGTTG TGACATAGTG	240
CTTTCACAAA CTAAAACCTGG AATTCTTTC TTTAGTCTAT CTATATCTTT TGAAATGTT	300
GACACAGCTA AGAAGAAGCT GCCTGTTCAT ATCTTAGATG GTCTGACCCCT CAGCTACAG	360
GTATATGCTG ATATTCTTG TATGAACCGT GTTTCTGCT AACATTAAGA CATGCAAGTA	420
ATTGGTTACT TTCTAATTCTT GTTTTGTCTT CATAGGTCCC ATGGCCGTG GACATTGTTA	480
TAAGTTGGA ATGTCAAAAA ATTTATAATC AAGTGTCTCT TCTCTTATTG CAAATAAAAGT	540
GGGCATCCTC GAG	553

(2) INFORMATION FOR SEQ ID NO:1351:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 209 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1351:

GAATTTCGCGG CCGCGTCGAC TTTATTCAG TGGATTCTCT AGGATTCTCT ATATAAAAGA	60
TGTCATCTGA TAGAGTAGTT TACTTCTTCG TTTCCAACCT GAATGGCTT TATTTCATCT	120
CTTTCTTAAC TGTCCTGGCT AGAACCTCCT TTACCACGTT GAATGGAAGT GGCAAGAATG	180
AAACATCCTTG TCTTGTTCT GATTTCGAG	209

(2) INFORMATION FOR SEQ ID NO:1352:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 525 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1352:

GAATTTCGCGG CCGCGTCGAC AATGGCTTTT CTTCCTTCCT GGGTTTGTGT ACTAGTTGGT	60
TCCTTTCTG CTTCCTTAGC AGGGACTTCC AATCTCTAG AGACAGAGCC CCCTCTGTGG	120
AAGGAGAGTC CTGGTCAGCT CAGTGACTAC AGGGTGGAGA ACAGCATGTA CATTATTAAT	180
CCCTGGGTAT ACCTTGAGAG AATGGGGATG TATAAAATCA TATTGAATCA GACAGCCAGG	240
TATTTGCAA AATTTCACCC AGATAATGAA CAGAAATATT TATGGGGTT GCCTCTGCAG	300
TATGGCTGGC AATATAGGAC AGGCAGATTA GCTGATCCAA CCCGAAGGAC AACTGTGGC	360
TATGAATCTG GAGATCATAT GTGCATCTCT GTGGACAGTT GGTGGCTGA TTTGAATTAT	420
TTTCTGTCTT CATTACCCCT TCTTGCTGGC GTTGATTCTG GTGTAATGGG GATATCATCA	480
GACCAAGTCA GGCTTTTGCC CCCACCCAAG AATGAGAGGC TCGAG	525

(2) INFORMATION FOR SEQ ID NO:1353:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 286 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1353:

GAATTGGGCC TTICATGGCCT AGGCTCTAA AATAAATAAT CCACATAATT GTAAATGAAA	60
CACATCAAGG ATTGAGTTA ATAGCCTCTG AGCAGCATTA ATATAGCCAT TAGACTGGAG	120
TATTTGTTAT CAAGAGGGCC AGAGAACCCA CCGCTAAAGC CGTAGGGTGG GAGGAACCCCT	180
GGATTGCAAGC TACATGGCTT ATGTAGGGAG TTTGTAACAG CCCCAAGCTG AAACCAGCTT	240
CTACACCCAT GACTGTTGAG TGATTGAATT CTAGACCTGC CTCGAG	286

(2) INFORMATION FOR SEQ ID NO:1354:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 572 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1354:

GAATTCGCGG	CCGCCTCGAC	CAACAAGAGC	ACTGGCCAAG	TCAGCTTCTT	CTGAGAGAGT	60
CTCTAGAAGA	CATGATGCTA	CACTCAGCTT	TGGGTCTCTG	CCTCTTACTC	GTCACAGTT	120
CTTCCAACCT	TGCCATTGCA	ATAAAAAAGG	AAAAGAGGCC	TCCTCAGACA	CTCTCAAGAG	180
GATGGGGAGA	TGACATCACT	TGGGTACAAA	CTTATGAGA	AGGTCTTCTT	TATGCTAAA	240
AAAGTAAGAA	GCCATTAATG	GTTATTCACTC	ACCTGGAGGA	TTGTCAATAC	TCTCAAGCAC	300
TAAAGAAAGT	ATTGCCCCAA	AATGAAGAAA	TACAAGAAAT	GGCTCAGAAT	AAGTTCATCA	360
TGCTAAACCT	TATGCATGAA	ACCACTGATA	AGAATTATTC	ACCTGATGGG	CAATATGTGC	420
CTAGAACAT	GTTGTAGAC	CCTTCTTTAA	CAGTTAGAGC	TGACATAGCT	GGAAGATACT	480
CTAACAGATT	GTACACATAT	GAGCCTCGGG	ATTTACCCCT	ATTGATAGAA	AACATGAAGA	540
AAGCATTAAAG	ACTTATTTCAG	TCAGAACTCG	AG			572

(2) INFORMATION FOR SEQ ID NO:1355:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 269 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1355:

GAATTCGCGG	CCGCCTCGAC	TGAAAAGTAG	GTTTTGAAG	AGATATATTC	GAAATATATT	60
TTTCACTTG	AAAAAAAGTAA	AAATTTTTTT	CAAAAGCAAA	TAATTCAACT	CTAAAATTAT	120
ACTATTTCAA	CATTCTCATT	TATGTGAAAG	CATGTGATAA	ATTGTTGCTG	CGTCAGAGAT	180
ATGAGAAACT	CCTTTCGATT	AGGTGGGCAT	TATTATAGA	CTTCTACATG	AAAGAGAAGA	240
GAAATAAAAG	ATGCACCAGG	ATTCTCGAG				269

(2) INFORMATION FOR SEQ ID NO:1356:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 713 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1356:

GAATTCGCGG	CCGCCTCGAA	CCCAAGCAAA	TGGGGATCTC	CACAGTCATC	CTTGAATGT	60
GTCTTTTATG	GGGACAAGTT	CTATCTACAG	GTGGGTGGAT	CCCAAGGACT	ACAGACTACG	120
CTTCACTGAT	TCCCTCGGAG	GTGCCCCCTTG	ATACAACCTGT	AGCAGAAAGGT	TCTCCATTTC	180
CCTCGGAGTT	GACCCCTGGAG	TCAAACTGTAG	CAGAAGGTTTC	TCCGATTTCC	TTGGAGTC	240
CCCTGGAGTC	AACCTGTAGCA	GAAGGTTCTC	TGATTCCCTC	AGAGTCACCC	CTGGAGTC	300
CTGTAGCAGA	AGGATCTGAT	TCTGGTTTGG	CCCTGAGGCT	GGTGAATGGA	GATGGCAGGT	360
GTCAGGGCCG	AGTGGAGATC	CTATACCGAG	GCTCCTGGGG	CACCGTGTGT	GATGACAGCT	420
GGGACACCAA	TGATGCCAAC	GTGGTCTGTA	GGCAGCTGGG	TTGTGGCTGG	GCCATGTCAG	480
CTCCAGGAAA	TGCCCTGGTT	GGCCAGGGCT	CAGGACCCAT	TGCCCTGGAT	GATGTGCGCT	540
GCTCAGGACA	CGAATCTAC	CTGTGGAGCT	GCCCCCACAA	TGGCTGGCTC	TCCCTATAACT	600
GTGGCCATGG	TGAAGATGCT	GGTGTATCT	GCTCAGCTGC	CCAGCCTCAG	TCAACACTCA	660
GGCCAGAAAG	TTGGCCTGTC	AGGATATCAC	CACCTGTACC	CACTAGACTC	GAG	713

(2) INFORMATION FOR SEQ ID NO:1357:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 925 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1357:

GAATTGGCC	AAAGAGGCCT	AGAATAATGC	ATATACTGCC	ATGTCAGATT	CCTACTTACC	60
CAGTTACTAC	AGTCCCTCCA	TTGGCTTCTC	CTATTCTTTC	GGTGAAGCTG	CTTGGTCTAC	120
GGGGGTGAC	ACAGCCATGC	CCTACTTAAC	TTCTTATGGA	CAGCTGAGCA	ACGGAGAGCC	180
CCACTTCCTA	CCAGATGCAA	TGTTTGGCA	ACCAGGAGCC	CTAGGTAGCA	CTCCATTCT	240
TGGTCAGCAT	GGTTTTAATT	TCTTTCCCAG	TGGGATTGAC	TTCTCAGCAT	GGGGAAATAA	300
CAGTTCTCAG	GGACAGCTA	CTCAGAGCTC	TGGATATACT	AGCAATATTG	CTTATGCACC	360
TAGCTCCCTA	GGTGGAGCCA	TGATTGATGG	ACAGTCAGCT	TTGCCAAATG	AGACCCCTCAA	420
TAAGGCTCCT	GGCATGAATA	CTATAGACCA	AGGGATGGCA	NCACTGAAGT	TGGGTAGCAC	480
AGAAAGTTGCA	AGCAATGTTTC	CAAAGTTGT	AGGTTCTGCT	GTTGGTAGCG	GGTCCATTAC	540
TAGTAAACATC	GTGGCTTCCA	ATAGTTGCC	TCCAGGCCACC	ATTGCTCCTC	AAAACACCAGC	600
ATCTGGGCT	GATATTGCTA	GCAAGCCTGC	AAAACAGCAA	CCTAAACTGA	AGACCAAGAA	660
TGGCATTGCA	GGGTCAAGTC	TTCCGCCACC	CCCGATAAAAG	CATAACATGG	ATATTGGAAC	720
TTGGGATAAC	AAGGGTCCCG	TTGCAAAGC	CCCCTCACAG	GCTTTGGTTC	AGAATATAGG	780
TCAGCCAACC	CAGGGGTCTC	CTCAGCCTGT	AGGTCAAGCAG	GCTAACATA	GCCCACCAAGT	840
GGCTCAGGCA	TCAGTAGGGC	AAACAGACACA	GCCATTGCC	CCACCTCCAC	CACAGCCTGC	900
CCAGTTTCA	GTCCAGCAAC	TCGAG				925

(2) INFORMATION FOR SEQ ID NO:1358:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 172 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1358:

GAATTGCGG	CCGCGTCGAC	AAATAAACCC	AGCAACTTCA	TTCATTTGCC	TTATGTTTAT	60
TGAGGGCTG	CTAGTGCTGG	GCACTGTTCT	AGGCCCTGGG	AATTATTTAG	TGAGCAAAAC	120
AGCAAAATCT	CTGTCCCTCAT	GGAGCTCACA	ATATAGTAGG	GAACGACTCG	AG	172

(2) INFORMATION FOR SEQ ID NO:1359:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 770 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1359:

GAATTGGCC	AAAGAGGCCT	AAGTCAGTGA	GGTGGAGTCC	GTTCATTTGAGG	TCACGCGGCT	60
AGTAATTGGA	GCCTGGTTA	GAACCAAGTC	AGTCTCATTC	CAGAACATCCAG	AAACAGTGAT	120
TTGTAACTGA	TGCACTTGTC	TCCAAAGGGA	TCCAGCACTG	GGTTTTCTCA	TTTTTAATGC	180
ATCCATTCCCT	TAAAGCCTCT	GTTCACAGTC	ACAAGGTGTA	CTTTTTAAAG	GAACACAGCA	240
CACAAATGTG	ACCGCTAGTG	GACAGCACTG	GCAGCCCAGT	TGGATGGCAG	AGCCTGGCAT	300

GCCGACTGGG	ACAGAAGCCC	CAGCACACGG	TGTGATGATG	GCGTCTCCAG	GCTGACCTCC	360
ATGGCCTCA	GAATCAAAGT	CCTCGGTCTC	TTTCACGCGG	GGTCAGAAA	GAAAACCTGG	420
CTATCTTACA	TCTCCTCTCC	CCTGTTTATT	TGACTAAAGT	GAAGTTCATG	TGGCTTGAGC	480
CTCGTTTCT	GGGAAATCA	GCCTGGCTTA	GGATTCCATT	GTCTTCTGGG	ACTGGAAAGA	540
TGTGGAAGGC	TGACCTCACG	CCCAGCTGAA	GGTCACCTTC	CCAGACTCTG	AGCTCGGCTG	600
CCTTCTGCAT	CGCCACGGCT	GGAGGGCTG	GCCCAGGCCG	TGGCTGCATG	CTGGCTTCC	660
ACTGTCTCGG	TGTCCTGCT	GCCTGTAGT	AATGTGCCCA	GCACCTTCTG	GTGTCATGTC	720
CCCTCTGTT	TGTGATTCTT	TTCCTGAGCT	AGTCATTTT	CTACCTCGAG		770

(2) INFORMATION FOR SEQ ID NO:1360:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 505 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1360:

GAATTCCGCC	AAAGAGGCCT	ACTCAGTGG	AACTTTAAA	CCCTAAAATC	CAGGAAAGA	60
AAATAAATAC	ATTATCATGG	ACCTGAGGG	TTTTTACCTG	TTGGCTGCTC	TGATTGCC	120
TTTAAGGCTG	GATTCCGCAA	TAGCTAAGA	ACTTATTAC	ACTATTAGAG	AGGAATTGCC	180
TGAAAATGTG	CCCATAGGAA	ACATACAAA	GGATCTGAAC	ATTTCTCAC	TCAATGCTGC	240
CACAGGGACC	AGGCCAGGCC	TTGTCTACAG	ACTGTTTCT	AAAGCTGGGG	ATGCCCTTT	300
GGTAAAGTA	TCCAGCAGCA	CTGGGAAAT	TTTCACAAACC	TCCAACAGAA	TAGACAGAGA	360
AAAATCTGT	GCTGGCGCT	CATATGCTGA	GGAGAAATGAG	TGTTTCTTTG	AACTTGAGGT	420
GGTGATCCTC	CCCAATGATT	TCTTCAGGCT	GATCAAATA	AAAATAATTG	TCAAGGATAC	480
CAATGATAAT	GCCCCAATC	TCGAG				505

(2) INFORMATION FOR SEQ ID NO:1361:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 553 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1361:

GAATTCCGCC	AAAGAGGCCT	AAATTTGTC	TCTCCAAACC	AGAAGACCTT	AGGTACAGAT	60
GACCCCGGG	AGCTGGGACA	GCAGGACAGA	NAGGGGAAGG	GACAGGTCCA	TATATAGGTG	120
TGTCATTGCA	GCCACTGCAA	TGAACATAAC	ATGCAAGAAA	TGTACAGAAT	GTGGTCCAGA	180
ATTGCCCACT	GGTGTCTGT	GGCCCTGGTGG	ACCCCAACAGA	GGACTGCC	AGGCTTTCAC	240
TTTCCCTCCC	CATGGATTGA	GCAAGCTCCC	AGGGCAGGAT	GGGTGGCCAG	GAGGGCAGA	300
ACGCTGGCGG	GGACGGGGAA	CCCAAGTGCT	CACAGGACCA	TCCACCAACAG	CTGCAGCCAC	360
ACTGCAAGAC	GGCGGGGATG	GGACACACGG	TCTAGTTCTT	AGTTCTGCCT	CCTACAGGCA	420
GCCCCCTGCTG	TCACTCCAGA	ACTAATTCTC	TGTGTGCGAC	TCACTCGCGT	GTGTGACACA	480
CAACAGATAC	ACATACATAG	ACACATACGT	ACATCTCTC	CCCCAATCTC	ACCCTCTCAC	540
CACGCCCTC	GAG					553

(2) INFORMATION FOR SEQ ID NO:1362:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 855 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1362:

GAATTGGCC	AAAGAAGCCT	AGTCAACTTG	ATCCAAACCT	GTTGGTGAAG	CAGCAGACTC	60
CACCATCTCA	GCAGCAGCCA	CTCCATCAGC	CAGCCATGAA	GTCTTCCCTT	GACAATGTCA	120
TGCCCCACAC	TACACCTGAG	CTGAAAAAG	GGCCATCACC	AATAAAATGCT	TTCAGCAACT	180
TCCCTATAGG	CTTGAACCTCA	AACTTGATG	TAAATATGGA	TATGAACAGT	ATTAAGAGC	240
CACAGTCCAG	ACTAAAGGAAG	TGGACGACAG	TGGACAGCAT	TTCTGTGAAC	ACATCTTTGG	300
ATCAAAACTC	CAGCAAACAT	GGTGCTATT	CAACTGGTT	CAGGCTGAA	GAGTCTCCAT	360
TTGTNCCCTA	TGACTTTATG	AACAGCAGTA	CTTCACCAGC	CAGTCCTCCA	GGTTCAATAG	420
GAGATGGCTG	GCCACGTGCC	AAATCGCTTA	ACGGCTCTAG	CAGTGTAAAT	TGGCCACCCAG	480
AATTTCGTCC	CTGGTGAGCC	ATGGAAAGGT	TATCCTAAACA	TTGACCCCTGA	AACTGACCCCT	540
TACGTCACTC	CTGGCAGTGT	CATAAAACAAT	CTTCAATTAA	ATACTGTGCG	GGAAAGTTGAC	600
CACCTCAGGG	ACAGGAACAG	TGGGTATC	TCATCCTTGA	ACACCACGCT	GCCTTCAACT	660
AGTGCCTGGT	CATCCATTG	TGCCTCCAAC	TACAACGTTTC	CCCTCAGCAG	TACAGCACAA	720
AGCACTTCAG	CCAGAAATAG	TGATTCCAAA	TTGACATGGT	CTCCTGGTTC	AGTTACAAAC	780
ACCTCTCTGG	CTCATGAGCT	GTGGAAGGTC	CCTTGCCAC	CTAAAACAT	CACTGCTCCG	840
TCCCCCACC	TCGAG					855

(2) INFORMATION FOR SEQ ID NO:1363:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 646 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1363:

GAATTGGCC	AAAGAGGCC	ACAAAAAGTA	CATACTAAGA	CTAAAGATACC	AAGTTGTATA	60
CTAATATTTT	TCAGGCC	TTG	GGCCTCAAAT	ATATATATT	ATATATAATA	120
AACAGCAATT	CGATGAAATG	TAAAATGTAT	CTTTTTTTT	TTAAATCACA	CACAAGTATT	180
CATAACCACA	GGGTTCA	CCA	GAATCTAAA	GCAAGGAGAC	ACTCACTCAT	240
AGTTACTCTT	CCACAGATCG	TTCTGATCAA	AGGTTTGGA	ACAGAAATGA	ATTAATGATT	300
TTTTTGATA	ATATCCAACA	TGTCCACTAT	CAAATACATT	TAGTATGAAA	AAACAGATGA	360
AGAAAAGGAA	CATACATTAG	GACAAAGTAT	CTGGTTAAA	TGCTGTTCAT	TTAAATAAAG	420
CCCACTCTCC	TTACTTTAGA	GCTCCTTGGT	GAATGGAGG	TGAGTTTGAT	GGAGTGCAGT	480
TGATGACCAC	TGAAAACAC	GAGCCCTTTC	AAACAATGTG	CAACACTGTT	AGTTTTGGT	540
TTAAACACAC	ACACACACTC	ACAAATGCTA	AGTGTACACT	ACCAAATTCT	GGGGTCAGCT	600
TTTCCAAGAA	CTACTGGGAA	AAGTTCAAT	GCTGCAAATC	CTCGAG		646

(2) INFORMATION FOR SEQ ID NO:1364:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 502 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1364:

GAATTGGCC	TTCATGGCCT	AATGGCTTAG	CTGAAGGAAA	TGCTCCAGAA	ATTGGACTGT	60
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GTAAACCATC	AGTACAATAA	TACGCTGTGT	ATGTATGTGT	ATATAAAATG	AGAAATTATGG	120
CATAATTGGA	GCATTTGCAT	TAATCAACAA	ACTCACATTG	AGACAAAAC	TAGTTTTACA	180
GCTGCTTGA	TTAAAGCCAA	GTGTTCCATG	TTGCTGTGAA	GAATAGCCTC	TTTCAAATAC	240
TTTGGAAAGT	AGTTACTTGG	AAACTTGAA	AGGTATTACA	TTTTTATATT	TAAACACCTA	300
TAGAGATCTT	CAATTCCCTTG	AGTCTGAGCT	TGTGGGTGGA	ATTCTAAATT	TGTATCATAA	360
TCTGCTTTT	GTGAAACATT	TTGAAAATAT	GTATATATAA	TATTGTATAT	GCAAATTGTG	420
TTGTTCACT	TGTAAGGGA	AAAGGCTTAT	TTTTCTTAT	ATTTCTGATA	ACTTGTGTTG	480
CATATGACCG	GCACCTCTCG	AG				502

(2) INFORMATION FOR SEQ ID NO:1365:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 197 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1365:

GAATTGGGCC	TTCATGGCCT	ACAGAAAGTAC	GGGAAGGCCA	AGAAAAGAAT	AGAGAAAGATA	60
GGGAAATTAG	AAGATAAAAA	CATACTTTA	GAAGAAAAAA	GATAAATTAA	AACCTGAAAA	120
GTAGGAAAGCA	GAAGAAAAAA	GACAAGCTAG	GAAACAAAAAA	GCTAAGGGCA	TCGATTGAAT	180
TCTAGACCTG	CCTCGAG					197

(2) INFORMATION FOR SEQ ID NO:1366:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 314 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1366:

GAATTGGGCC	TTCATGGCCT	AGGCCTGGGG	TGGGACATTT	TGTTTGTGAG	AAGCCTGGAC	60
AAGAGGACGA	GGTCACACC	ATGTCAGTC	CGGATTGTG	AACTCACAGG	AGAGGGTTGG	120
ATAGGGCGTG	TGAACGTGAG	CCCGCGGTGT	AGACGATGTG	AAGCTGTGGT	AACGGGTGGG	180
CTTGTATGG	CACCCGCTGC	TGCGAGGAGA	GGGTTGGATA	GGGCATGTGA	ACGTGAGCCT	240
GCAATGTAGA	CGATGCGAAG	TGCGGTTAAC	GGGTGGGCTT	GTGACGGCAC	CCGCTGCTTG	300
CAGCCTAACT	CGAG					314

(2) INFORMATION FOR SEQ ID NO:1367:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 250 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1367:

GAATTGGGCC	TTCATGGCCT	ACTGGTCCCA	TTTTTCTATT	GCAGTGGTCA	TCATTTTTAT	60
TGATGTATAA	TAATATTGTA	TCATAAATCT	TCATAAATG	TGCTTCCAAA	GTTTTTCTA	120

ATTTTCACT AACCTTGAT TTGGTATTIA ATTTTTAGTT GTCAGAAGTT TTTAATATTT	180
GTATCATCAA AGCTATCAGG TTATTAAT TGACTTCTCA TTTAGACATA CTTAGGCCAT	240
GAAGGTCGAG	250

(2) INFORMATION FOR SEQ ID NO:1368:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 261 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1368:

GAATTCGGCC TTCATGGCCT AGTGAGAGCA CCACACAAAG GACAGGAAAA ACACCAGCAA	60
TACATCAGCT TTACACAGCA GGCAAGTTTC CTGCTCTA CAAGTACAGA TGGAACCTGT	120
CTTGTGAATT AACATCCTGA CTACTTTGT TGATCATCAC ATTTTTCT CATGAGAGAA	180
ATAATAGTGT TTTATAGGCT CCTGAGAATA GGTTTACTAA AGTCATCGAG ATCTGGTTTC	240
AAATGACACT TCATGCTCGA G	261

(2) INFORMATION FOR SEQ ID NO:1369:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 408 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1369:

GAATTCGGCC TTCATGGCCT AGTTTTGTT TGTTTGTGTT TTTGTTTTTG GGCAAGAACAA	60
GTTAGGAACC AGATCACAGT GAGGTATAGA GTGAATGAGA GTTGAGAAATG TAAAGACAAT	120
GGATATAGAT CACTATTCA GGAAGCTGTT TGTGAGAGGG AGGAGAAAAAA TAAAACAGTT	180
ACTGAGCAAT AGGGTGGTTG GTAAGGGGA GGGATTTT TCTGAAAGAT GGGAGAAATT	240
TTAACATACT TAAATTGAT GGATAAGCC ATGCACTTAT AGGCATTAG TCAATATATA	300
TTTCACAAAT GAATGAAGAT AAATTAGGA GAGGTTAATT GGAGATTTA GGAGAGAGGG	360
AATAATTGAT CATGAAAGT CATTGATAAG GTGGGAGCAG AACTCGAG	408

(2) INFORMATION FOR SEQ ID NO:1370:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 369 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1370:

GAATTCGGCC TTCATGGCCT ACTCGATTAC AGGTCTCCCG CCTGCCATGC AGAAAGTCAT	60
GTATAAGGGA CTCGTCCCCG AGGATAAAAC ATTGAGAGAA ATAAAAGTGA CCAGTGGGGC	120
CAAGATCATG TGGGTTGGCT CCACCATCAA TGATGTTTA GCAGTAAACA CACCCAAAGA	180
TGCTGCGCAG CAGGATGCAA AGGCCGAAGA GAACAAGAAG GAGCCTCT GCAGGCAGAA	240
ACAAACACAGG AAAGTGTGGA ATAAAGGAAA ACCTGAAGAT GTGATGCCAT CTGTTAAGGG	300

GGCCCAGGAG CGCCTGCCAA CGGTACCGCT CTCCGGCATG TACAATAAAT CTGGAGGAAA	360
AGTCTCGAG	369

(2) INFORMATION FOR SEQ ID NO:1371:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 443 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1371:

GAATTGGCC AAAGAGGCCT ATTTTTTTTT TTTTTAACTG ATAGATGGTG CAGCATGTCT	60
ACATGGTTGT TTGTTGCTAA ACTTTATATA ATGTGTGGTT TCAATTCAAGC TTGAAAAATA	120
ATCTCACTAC ATGTAGCAGT ACATTATATG TACATTATAT GTAATGTTAG TATTCTGCT	180
TTGAATCCTT GATATTGCAA TGGATTCCCT ACTTTATTAA ATGTATTGAA TATGCTAGTT	240
ATTGTGTGCG ATTAAACTT TTTTGCTTT CTCCCTNTTT TTGGTTGTGC GCTTCTTTT	300
ACAACAAGCC TCTAGAAACA GATACTTCT GAGAATTACT GAGCTATGTT TGTAATGCAG	360
ATGTACTTAG GGAGTATGTA AAATAATCAT TTTAACAAAA GAAATAGATA TTTAAAATTT	420
AATACTAACT ATGGGATCTC GAG	443

(2) INFORMATION FOR SEQ ID NO:1372:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 770 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1372:

GAATTGGCC AAAGAGGCCT ACTTCGGCTT GGAGCTGCTG GGCGCGGAC CTGGGGCGGT	60
TAATTGGAG TGGCCCCCTGG AGTCAGTTTC CTACACCATC CGAGGGCCCA CCCAGCACGA	120
GCTACAGCCT CCACCAAGGAG GGCGCTGAAAC CCTCAGCCTG CACTTCCTCA ACCCTCAGGA	180
AGCTCAGCGG TGGGCAGTCC TAGTCCGAGG TGCCACCGTG GAAGGACAGA ATGGCAGCAA	240
GAGCAACTCA CCACCAAGCCT TGGGCCAGA AGCATGCCCT GTCTCCCTGC CCAGTCCCCC	300
GGAAAGCCTCC ACACCTCAAGG GCCCTCCACC TGAGGGCAGAT CTTCCCTAGGA GCCCTGGAAA	360
CTTGACGGAG AGAGAAGAGC TGGCAGGGAG CCTGGCCCGG GCTATTGCAAG GTGGAGACGA	420
GAAGGGGGCA GCGCAAGGTGG CAGCCGTCTT GGCCAGCAT CGTGTGGCCC TGAGTGTCA	480
GCTTCAGGAG GCGTGTCTCC CACCTGGCCC CATCAGGCTG CAGGTACAC TTGAAGACGC	540
TGCTCTGCC GCATCCGCCG CGTCTCTGCA ACACGTTGCC CTGCAGGTCC ACCCCCACG	600
CACTGTTGCA GCTCTCCAGG AGCAGGTGTT CTCAGAGCTC GGTTTCCCGC CAGCCGTGCA	660
ACGCTGGGTCA ATCGGACGGT GCCTGTGTGT GCCTGAGCGC AGCCTGCCT CTTACGGGGT	720
TCGGCAGGAT GGGGACCTG CTTTCCCTCA CTTGCTGTCA GCTCCTCGAG	770

(2) INFORMATION FOR SEQ ID NO:1373:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 597 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1373:.

GAATTCTGGCC	AAAGAGGCCT	AGTCTCTTG	AAGATCTCA	GGAACTTGCT	TTATGAATCT	60
TCATGCTCCT	GTGTTGGATG	CATATACATT	TAGGATAGTT	AGGTGTTCTT	TTTGAATTGA	120
AACTTTTACCC	ATTATGTAAT	GCCCTTGTT	GTCTTTAA	ATTTTGTTG	GTTTAATATC	180
TGTTTTGTCT	AAATTTAGAA	TTTCAGCCTC	TGCTTTTTT	CTGTTTCCA	TTTGCTTAAT	240
AAATTTTCT	TCATTCCTT	ATTTTAGCC	TATGGGTGTC	ATTGGATGTG	AGATTCATCT	300
CTTGAACACT	GTACTACTGG	TTCTTGCTTT	TTTACTCAGC	TTGTCACTCT	GTGCTTTCA	360
ATTGGGCATT	CAAGGCTAGT	GTTGATATGT	GTGAATTGTT	TTCTGTCATC	ATGTTATTAG	420
TTGTTTATTA	TGCTGACTTG	TTTGTGTTG	TCCTTATAG	TGTTACTGGT	CTGTGCACCT	480
AAGTGTGTTT	TTTTAGTACG	AAATTTTCT	TTTCATATGT	AGTGTTTAT	GCGAGGTATT	540
TTGCAAGGAT	TTTCTGAATN	NTCNGAATTT	TTATGTGGC	AAAAGTAGGG	GCTCGAG	597

(2) INFORMATION FOR SEQ ID NO:1374:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 459 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1374:

GAATTCTGGCC	AAAGAGGCCT	AGCCTCCAG	TGTGAGCCAC	CGCACCCAGC	CTGGATTGTT	60
GAATTCAATG	CTTGGGTCAAC	CTCCAGATTTC	ATTTTACAG	TCTTTCATGT	TTTGGTCATA	120
TGACATTGTA	TTTGCTGCC	ATATGACTGA	TCTTTTTTG	TTAAATGTGA	GATACTTGT	180
AAAAAAATGTT	TAGCAATGAA	TTGAGGCCTA	GTAGCATGTT	ATCTGCTGC	AGAAGAGATG	240
GGAGTCTACT	TCTGGGGGAT	GGTCAGGGGT	CCTCCATACA	GGCTGCAATT	GAAGTCGTG	300
GTGCAGGCTC	AGTCCCTACA	AAGGCCAGGG	TATTTCTGT	CCACCTTAT	TCTGATGCAT	360
GACTCTTCTG	GGTCTCAACC	AGAGCCAGTG	GACTTCAGTA	TGGGTCGCTT	TCATTGGCAG	420
ACCCTCAATC	CACTTGTTTT	CCATCTAATC	CCACTCGAG			459

(2) INFORMATION FOR SEQ ID NO:1375:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 531 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1375:

GAATTCTGGCC	AAAGAGGCCT	AATGGATCTC	ATGTGCAAGA	AAATGAAGCA	CCTGTGGTTC	60
TTCCTCCTGC	TGGTGGCGGC	TCCCAGATGG	GTCCTGTCCC	AGCTGCAGCT	GCGGGAGTCG	120
GGCCCAGGAC	TGGTGAAGCC	TTCCGGAGACC	CTGTCCTCA	CCTGCTCTGT	CTCTGGTGGC	180
TCCATCAGCA	GCAATAGTTA	CTCCTGGGGC	TGGATCCGC	AGCCCCCAGG	GAAGGGGCTG	240
GAATGCATTG	GGAGCATCTC	TTACAGTGGG	AGCACCTACC	TCACCCCGTC	CCTCAAGAGT	300
CGAGTCACCC	TTTCCGTAGA	CCCGTCCAAG	AACCAGTTAT	CCCTGAGGCT	GAGCTCTGTG	360
ACCGCCGAG	ACACGGCTGT	GTATTATTGT	GCGGGGGGT	CTCCGGCGA	TTATTCCTAT	420
GAGAATAGTG	ATTACCCCGA	CCCCCGTAC	TATTTAGACT	CCTGGGGCCG	GGGAACCCCTG	480
GTCACCGTCT	CCTCAGCTC	CACCAAGGGC	CCATCCGTCT	CCCCCTCGA	G	531

(2) INFORMATION FOR SEQ ID NO:1376:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 661 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1376:

GAATTCCGCC	AAAGAGGCCT	AATGACTCA	AAGAAAGAAG	TTACTTTACC	ATTTTGT	60
ACACCATTTA	AACTGCTTC	TGATTCCAA	CAGTCACAA	TTTAAGAAA	AGCAAGATCT	120
TATATAAAAC	ACAGAAAGTT	TGATGAAGTG	GTCTCCCTT	GCAAGGAGCT	AATTCACTTT	180
GCATTGAAAG	GATTGTCCTA	TTATCACACA	TATGACAGAT	TCTTTTGGG	CGTCAATGTT	240
GTTATTGGTT	TTGTGGGATG	GATATCTTAT	GCCTCTTGT	TGATCATCAA	GTCTCATTCC	300
AACCTTATAA	AAAGGTGTTAG	TAAAGAAGTG	AAGAAACAA	GCCATCTCCT	GCCTTGTAGT	360
TTTGTAGCTA	TTGGCATTTT	AGTAGCATT	TTTCTGCTGA	TTCAAGCCTG	TCCCTGGACA	420
TATTATGTAT	ATGGTTTGT	GCCACTGCCA	ATATGGTATG	CGGTTCTAAG	AGAATTCAA	480
GTTATTGAGG	ACCTTGTGT	ATCAGTGTG	ACCTATCCTC	TGAGCCATT	TGTTGGGTAC	540
CTGTTAGCCT	TTACCCCTGGG	AATTGAAGTA	TTAGTTCTCA	GTTTTTCTA	CCGCTATATG	600
CTTACCGCTG	GACTTACTGC	CTTGCAGCT	TGGCCATTTC	TCACTCGGCT	GTGGACTCGA	660
G						661

(2) INFORMATION FOR SEQ ID NO:1377:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 117 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1377:

GAATTCGCGG	CCCGCGTCGAC	AAAAAAAGGT	AAGATGTTGC	TGTATGCAA	ATGGACCCAA	60
GTTATGTTA	TTCAAGTTGC	CTGTAGAAC	TTAGTGTCT	ATAGCCACAA	ACTCGAG	117

(2) INFORMATION FOR SEQ ID NO:1378:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 118 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1378:

GAATTCGCGG	CCCGCGTCGAC	CTTAAATT	AAACTGGCCT	GGTTTGCCTT	TTTTATCAAG	60
AGAGCTTAAC	AGATAAAAAAA	TGAAATTAGT	CTATTTCTA	CTTGCCAGCA	GTCTCGAG	118

(2) INFORMATION FOR SEQ ID NO:1379:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 229 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1379:

GAATTCTCGCGG CCGCGTCGAC ATTTTATATA ATATTTAAA TAAGTTGTG TACAAAACAA	60
AGATTTGACT GCATTTGAT TGTGACCCCC TTGCATGAAG TCAGGGTGTGG AGTTTCCAC	120
TTGTGGTATC ATGTTGCTGC TGCTCAAGAA GTTTCTGATT TTGGAACATT TTGGATTTG	180
GATTTTCACA TTGGGGATAC CTAATGTGAG AGAGACTAGG CCACTCGAG	229

(2) INFORMATION FOR SEQ ID NO:1380:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 140 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1380:

GAATTCTCGCGG CCGCGTCGAC GTTGGGGACA TGGTGGGTCT GAGAAAAGTG TTGCCCGCAA	60
CTTTCTATCT GGCATTCCT CGGGAGGAAA TAGAATGCCG GCTCTCCGAC AGCATTTCCT	120
GTAACATCCG CGAACTCGAG	140

(2) INFORMATION FOR SEQ ID NO:1381:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 99 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1381:

GAATTCTCGCGG CCGCGTCGAC TCTCAGAAGA GGTTTGTAA ACTTCTATAA ATACAACCAC	60
TTCATGCTT GGCATCTCCT TGAGAAAAGG CTTCTCGAG	99

(2) INFORMATION FOR SEQ ID NO:1382:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 442 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1382:

GAATTCTGGCC AAAGAGGCCT AGTTAACGT CTGTGGAGTA GTATATTCA CTGACTGGTT	60
GGAAATGACA GAGATGGACT GGCCCCAGA TTCTGCTGT GTTAGAGAAAT TCCCAGGATG	120
TTCCAAACAG GCCCACCAGG AAGATCTAG TGACCTTAT CAAGAGGGTT GTGGGAAGAA	180
AATGTATTCC TTTTGAGAG GAACCAAACA ACTGCAGGTG CTGAGGTTTC TGGGAATCTC	240
CATTGGGTG ACACAAATCC TGGCCATGAT TCTCACCAATT ACTCTGCTCT GGGCTCTGTA	300
TTATGATAGA AGGGAGCCTG GGACAGACCA AATGATGTCC TTGAAGAATG ACAACTCTCA	360

GCACCTGTCA TGTCCCTAG TAGAACTGTT GAAACCAAGC CTGTCAAGAA TCTTTGAACA	420
CACATCCATG GCAAACCTCG AG	442

(2) INFORMATION FOR SEQ ID NO:1383:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 501 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1383:

GAATTCGGCC AAAGAGGCCT ATTCAAGGTGT TTTCATTTGG TGATCAGGAC TGAACAGAGA	60
GAACTCACCA TGGAGTTTGG GCTGAGCTGG CTTTTCTTG TGGCTATTAA AAAAGGTGTC	120
CAGTGTGAGG TGCAAGCTGTT GGAGTCTGGG GGAGGTTAA TACAGCCTGG GGGGTCCCTG	180
AGGCTCTCTT GTGCAGCCTC CGGGTTCATC TTAGCAACT ATGCCGTGAG TTGGTCCGC	240
CAGGCTCCAG GGAAGGGGCT GGAGTGGGTC TCAAGTATAA GTGACATTGG TGACACCAGA	300
TACTACGGAG ACTCCGTGAG GGGCCGATTC ACCATCTCA GAGACAATTG CAAGAACATG	360
TTGTATTTGG ACATGAACAG CCTGAGAGCC GAGGATACGG CCGTGTATTA TTGTGCGGCA	420
AGGGATTGGT ATCATACTCG TGGCTATTAC TGGTACTACT TTGACTTCTG GGGCAGGGA	480
TCCTTAGTCA GCGATCTCGA G	501

(2) INFORMATION FOR SEQ ID NO:1384:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 634 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1384:

GAATTCGGCC AAAGAGGCCT ACTTCAATAT TCTGTTACGG GTTTTTTTAG TCTTTTTTTC	60
TCTTGCTTT CCTGTTGG AATTTTCTAT TTCTATATAC TCAAGTTCAG AGATTCTTTC	120
CTTTCCATA TCTGTCAC TAGTGAGGCC ATCCAAGGCA TTGTTCATTT CTGTTACAGT	180
GTGTTGATCT TTAGTATTC TTTTCATTC TTCATTACAC TTTCTCTCTG CTAACATTGC	240
CCATAAGTGC TTATATGCTG TATACTTTAT CTGTTGATCA TATTTGTTTT AAATTCTAA	300
TCTGATAATT CAACATCTCT GACATGTCTG GTTCTGGTC TGATACTTGT TGTCAAACGT	360
TGGTTTTTTT TCTTTTAGAG TGGCTTTAA TTTTCTTTT GTTTTTGTT TTTTTTTG	420
ATAGTTGGAC ATGACGTACT AGATAAAAGC AACTACTGTA AATAGACCTT TAGGAATGTG	480
GTGGTAAGAT GTGAGAGGAA GAAAAGCATT CTGTTGATCT GTTGGTTTC AGTCTTTAA	540
CCCATTATG CTAGTGTTC TATTACTGGA ACGCTAGGCA TGTGGAAGTT ATTTATATCC	600
TACTGCTAAA GTTATCACC AAGCTGTACT CGAG	634

(2) INFORMATION FOR SEQ ID NO:1385:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 700 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1385:

GAATTGGCC	AAAGAGGCCT	ACTCAAGTTC	AAGGAAAATG	AAGACAAAAA	GTGATATGAT	60
GGAAAGAAAAC	ATAGATACAA	GTGCCAAGC	AGTTGCTGAA	ACCAAGCAAG	AAGCAGTTGT	120
TGAAGAAGAC	TACAATGAAA	ATGCTAAAAA	TGGAGAACCC	AAAATTACAG	AGGCACCCAGC	180
TTCTGAAAAA	GAAATTGTGG	AAAGTAAAGA	AGAAAATATT	GAAGATGCCA	CAGAAAAGGG	240
AGGAGAAAAG	AAAGAACGAG	TGGCAGCAGA	AGTAAAAAAT	GAAGAAGAAG	ATCAGAAAGA	300
AGATGAAGAA	GATCAAAACG	AAGAGAAAGG	GGAGCTGGA	AAAGAAAGACA	AAGATGAAAA	360
AGGGGAAGAA	GATGGAAAAG	AGGATAAAAA	TGGAAATGAG	AAAGGAGAAG	ATGCAAAAGA	420
GAAAGAAGAT	GGAAAAAAAG	GTGAAGACGG	AAAAGGAAAT	GGAGAAGATG	GAAAAGAGAA	480
AGGAGAAGAT	GAAAAGAGG	AAAGAACGAG	AAAAGAAACA	GGAGATGGAA	AAGAGAAATGA	540
AGATGGAAAA	GAGAAGGGAG	ATAAAAAAAGA	GGGGAAAGAT	GTAAAAGTCA	AAGAAGATGA	600
AAAAGAGAGA	GAAGATGCCA	AAGAAGATGA	AGGTGAAAT	GAGGAAGAAG	CTGGAAAAGA	660
GAAAGAAGAT	TTAAAAGAAG	AGGAAGAAGG	AAAGCTCGAG			700

(2) INFORMATION FOR SEQ ID NO:1386:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 127 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1386:

GAATTGCGGG	CCGCGTCGAC	CTTTAGTGTG	TCTTTTCATT	CTCTAAAAAG	TGTCTTTGC	60
AGAGAAAAAA	AAAATTTAA	TTTGATGAA	ATCCAACCTTA	TCAATTTC	TTCTGTGGCC	120
CCTCGAG						127

(2) INFORMATION FOR SEQ ID NO:1387:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 128 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1387:

GAATTGCGGG	CCGCGTCGAC	CTCTGTTCAAG	TCGTTTGCT	GAATATTTAT	TAGCATTCCA	60
TCACTTTGTG	TTAATTAAT	AGAAGTGAG	TTCAAACAAAT	GTTTTAAAAA	TTCACACACAA	120
TACTCGAG						128

(2) INFORMATION FOR SEQ ID NO:1388:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 816 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1388:

GAATTGGCC	AAAGAGGCCT	AGTTTCTTTT	GCTCTACATC	TTCACCAAGTA	TTTGGTGTAA	60
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TCAGTGTCT	GAATTTGTC	CATTCTGATA	GGTGTGAGA	GGTATCTTAT	AATTTAATT	120
TGTGTTCTC	TGATGCCATA	TGATGTGTGG	GACATCTTT	CATATGCTGA	ATTGCCATCT	180
GTATATCTT	GGTGAGGTGT	CTGTTAAGGT	TGTTGCCAA	TTTTTTAATT	GGGTGTGTTG	240
TTTCTTGTG	GAATTTAAG	AGTTCCCTAC	ACTGTCCTG	TCTGTCCTGT	CTGTCCTGTC	300
GTCTGCTGT	NGAGACAGAG	CCTCGCTCTG	TCACCCAGGT	TGCAAGTACAG	TGGCACAGTC	360
TTGGCTCCCT	GCAACCTCTG	CCACCTGGGT	TCAAAGTGATT	CTCCTGCGTC	AGCCTCCCGA	420
GTAGCTGGGT	TTATACCGT	GCACCAAC	ACCTGGCTAA	TTTTTGATT	TTTAGTAGAC	480
ACGGGGTTTC	ACTANGTTAG	CCAGGCTGGT	CTCGACCTCC	TGACCTCAGG	TGATCCACCC	540
ACCTGGCCT	CCCAAAGTGC	TGGGANGNGA	GCCACCAAC	CCAGCCTCCT	TACACATTT	600
AGTTAATAGT	TCTTTATCG	ATGTGTCTTA	TGTAAATATT	TCCTCCCTAT	CTGTTGGCTTG	660
TCTTTTCATA	CTCTTGACAT	TGTCCTTTGC	AAAAGACAAAC	AATTTTAAG	AAACAAGTAG	720
ACAATTTAA	TGAAGTCTGG	CTTATCAGTT	CTTTCTTCA	TGGTTGGTAC	CTTTGGTGCC	780
GTATCTAAA	GTCATCACCA	AACCCAAGAA	CTCGAG			816

(2) INFORMATION FOR SEQ ID NO:1389:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 163 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1389:

GAATTCCGGG	CCCGCGTCGAC	CTAAACCGTC	GATTGAATT	TAGACGAAC	ATATGTTAA	60
GCAAAAACAA	AAATAAAAAT	CCTCAAAAAA	AGTAATATCA	GAGTTTAAT	TTCAACCAGC	120
TGGCACACA	ATGAAAGTGT	CAGACTTCT	GAAAGTACTC	GAG		163

(2) INFORMATION FOR SEQ ID NO:1390:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 286 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1390:

GAATTCCGGCC	TTCATGGCCT	AAAACCTCA	AAAATAAATT	AGAATCCAGC	ACTGCTACAA	60
TATATTATCT	AAAATGTCTA	ATTCTCAAA	ATATGAGTGA	TGCAAAGAAA	CAGGAAACAG	120
TGAAACACAG	AGGAAAAAAC	AGTGACTAGA	AACTGACTTA	AGAGTAAGCC	CAGATGTATT	180
TGGGAGCCAG	AGCCTTCAA	GTAGCTATT	AATATGTTG	AAAATTTAA	GGGAAAATAT	240
GACAATGACT	AAAAATAAG	GACTCTAAAT	ATAGAAATGG	GAGCTG		286

(2) INFORMATION FOR SEQ ID NO:1391:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 392 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1391:

GAATTGGCC	TTCATGGCCT	ACTTTAAGG	GCTTGAAGT	TTCAAAACCA	CACTCTGCAT	60
GTGACAGGTG	CTCACTGCTG	TGGGTTGGC	CGCTGGTCT	AGGCCTCTGC	TGGAGTGTGT	120
GATCTGCTT	CTGACCGCAG	GGCGTTACA	TGGGTGTGCT	TTAATCTTAC	GTCTCCGTCC	180
TCTTTTCCA	CTGAGAGTGC	TGGTCTCAAG	GACAGTGGAG	ATGAGAGAAAT	TGGAATATCG	240
CATAATGCT	CATCTGTTT	ATCTCTTGCT	ACAAACATCA	CAATCTAAA	ATAACATGG	300
CAGTACAAC	GCCACCTATA	TCATTACTGA	AAACAGTGA	GATATTTTT	GCCTAAGTCT	360
TCCCATTCTG	TGTAGTTATG	CAGAGTCTCG	AG			392

(2) INFORMATION FOR SEQ ID NO:1392:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 286 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1392:

GAATTGGCC	TTCATGGCCT	AGTAATCTT	CCCCCAGTT	TTGGATGAA	GAAACTAAC	60
CTGAAGGGC	GAGGTGGCCT	CCCAGGCTCA	GAGGGTATT	CAGAATCCAG	GCCTGGTGT	120
CCTTCCACAG	TACCAAAAGCG	CCACACATTA	GTTGCTTGT	AGATTTCCA	CACTTCAGGG	180
AGAATGCCA	AGTATCTTG	CCTTGCACAC	ACTACCTGTT	CAACACTCAG	TGACGAGGGT	240
GTCGTGTGT	CTCAGGCAAC	TCCCAGCCCTT	CTTCCTTTG	CTCGAG		286

(2) INFORMATION FOR SEQ ID NO:1393:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 320 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1393:

GAATTGGCC	TTCATGGCCT	ACTGAGTTCT	CAAATCTAAC	GTTTTAGGAA	TTTTTTATTC	60
CTGCAGAGAG	TTGGGGAGCT	TTTAAAAGT	TGGTTGGTT	AGCCAGTATA	GCTAGATTCC	120
TCAAGGTCAA	CACAAACGCCA	TACTGCTCTA	GCTGGGCTA	GATTTCTCAT	GATAGTCTAA	180
ACTGTGTGAT	GGCCAAGTCC	CCACTTTGAA	GATGCCAAA	TTCAGCCTCA	GACATTTCTC	240
CTCAAGAAAG	GGGGGGCAAA	AAAGCCTTT	GTGCCCCTT	CCCAAATTAT	TTGCTCATGT	300
CGCAAGACTG	AGGTCTCGAG					320

(2) INFORMATION FOR SEQ ID NO:1394:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 450 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1394:

GAATTGGCC	TTCATGGCCT	AACGCCATCT	ACGACCTGAT	CGAGCGCATC	GAGGATTG	60
CGCTGCAGAA	CCAGATCCGG	GAGCACGTCA	TCTCCATCGA	GGACTCGTT	GTGAACAGCC	120

AGGAGTGGAC	GCTGAGCCGC	TCCGTACCGG	AGCTTAAAGT	GGGCATAGTG	GGGAACCTGT	180
CTAGCGGGAA	CTCAGCCCTG	GTGCAACCGCT	ATCTGACCGG	GACCTATGTC	CAGGAGGAGT	240
CCCCCTGAAGG	GGGGCGGGTTT	AAGAAGGAGA	TTGTGGTGG	TGGCCAGAGT	TACCTGCTGC	300
TGATCCGAGA	TGAAGGAGGC	CCCCCTGAGC	TCCAGTTGTC	TGCCTGGGTG	GATGCAGTGG	360
TGTTTGTGTT	CAGCCTGGAG	GATGAATCA	GTTCAGAC	GGTGACAAAC	TACTTCCTGC	420
GTCTCTGCAG	CTTCCGCAAC	ACCCCTCGAG				450

(2) INFORMATION FOR SEQ ID NO:1395:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 276 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1395:

GAATTCCGGCC	TTCATGGCCT	ACCGTCATTC	ATTGCAGGGA	CCATCAAACC	CCAGACAATC	60
CTATTTGGT	GGGAAATCTA	GCAGATAGAG	AAGCCAAACA	AGTAGCCCTA	CAACCTGTAC	120
AAGGCCAGTT	TCTGTGCCCTG	TCCTCGTTCT	CTCCTTTA	CTCTCCAGAA	AAAAAGGAGG	180
ACTACCAAGC	CCAAAACCTT	AAAAACAAG	GACCATGGTA	TGTCAAGGAA	GGGTGCTTCC	240
TTCTCCCTCA	CTCTCAAACA	ATCTCTATCC	TTCGAG			276

(2) INFORMATION FOR SEQ ID NO:1396:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 241 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1396:

GAATTCCGGCC	TTCATGGCCT	AGGGGGCGGG	GGGCGGGGCG	GGTCTCAGAA	ATCAGGAGTA	60
ACTCTTGAA	AACTAAATAG	TTTAAAATCT	CATCCAACCT	CCACCTAACT	TACATGCCCTG	120
GTAAACCGAC	ACTCTGTATA	TCCTGTATAA	AACATTCTAA	CTGATGCCCA	CGACATACTA	180
TTGGCTGATG	GTTTTGCTAG	TATACAGTAT	GGCCACTTAC	TGCCATTCCC	ATGCCCTCGA	240
G						241

(2) INFORMATION FOR SEQ ID NO:1397:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 314 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1397:

GAATTCCGGCC	TTCATGGCCT	AGAAAATGAA	GAAGAAGATC	ATCAAGGACC	AGAAACTGCT	60
TGTGATCGTG	GGGGGGCATGC	TGCTGATCGA	CCTGTGTATC	CTGATCTGCT	GGCAGGCTGT	120
GGACCCCCCTG	CGAAGGACAG	TGGAGAAGTA	CAGCATGGAG	CCGGACCCAG	CAGGACGGGA	180
TATCTCCATC	CGCCCTCTCC	TGGAGCACTG	TGAGAACACC	CATATGACCA	TCTGGCTTGG	240

CATCGTCTAT GCCTACAAGG GACTTCTCAT GTTGTTCGGT TGTTTCTTAG CTTGGGAGAC 300
CCGCAACTCT CGAG 314

(2) INFORMATION FOR SEQ ID NO:1398:

- (i) SEQUENCE CHARACTERISTICS:

 - (A) LENGTH: 342 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1398:

GAATTGGGCC	TTCATGGCCT	AGTCACACC	AAGAACCAAG	TTTCAGCTTG	GTTACTGTGT	60
TGAAGACACC	TTTGCTATAT	TTCAAGTCAT	TCCCTCTTTT	CTCAATTTTT	TTAATTGAC	120
AAAAAATTAA	TATATCGTGT	ACAAACATCAA	TCCATCTTGG	CATCTGTATT	TGTCAGGGTT	180
GTCTTAGAGG	GACAGAACTA	ATAGGATATA	TATAAAGGGGG	AGTTTATTAA	GTATTAACTT	240
ATATAATCAC	AGGGTCCCAAC	AAACAGCTGT	CTGCGAATTG	AAGAGCAAGG	AGAGGCCAGTC	300
AGAGTGGCGA	AACTGAAAGAA	CCTGGACTCC	GATGTCTTCG	AG		342

(2) INFORMATION FOR SEQ ID NO:1399:

- (i) SEQUENCE CHARACTERISTICS:

 - (A) LENGTH: 614 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1399:

GAATTGGCC	TTCATGGCCT	AGGGCCATGT	TGGTTAGAAT	GGTGCATAT	TTTCTGGGAT	60
AGCACCATGC	TGGCTGGGAT	GGTGCATGT	TGGCTGGGAT	GGCACCTGC	TCAGCCTCCC	120
AAATAGCTGG	GATTACAGGC	ATCTGCCACC	ATGCCTGGCT	AATCTTTGC	ATTTTAGTA	180
GAGAAGGGT	TTCGTCATGT	TGTCAGGCTG	GTCTCTCACT	CCTGAACCTCA	GGTGTACCGC	240
CTGCCCTCGGC	CGCCCCAAAGT	GCTGGAATT	CAGGCATGAG	CCGCCACGCC	TGGCCCTTTA	300
CTTGAGTTT	AATAGGATCG	CTCTCTGTC	TATTGAGGAT	AGTACATATG	GGGTAATGAT	360
GCAAGCAGAG	ACCTACTGT	GTACTCTTC	GGAGAGAATG	GTGGCTTGCA	CAAGGATGGA	420
AGCAATGAAG	GTGGTGAAGA	GTGGTCAGTT	TCTATATTTA	TTAGGAAACA	CCTAGGATGA	480
TATCTTAA	GACCAAAATG	TGAAATGTA	GAAAATAGA	GATGTCAGA	TGACACAAAG	540
ATTTTGGCT	TTGACAAC	AAAGAATAGT	TACTATCAAC	TGTGATTGGT	AACAATGCAC	600
ATGGATCTCT	CGAG					614

(2) INFORMATION FOR SEQ ID NO:1400:

- (i) SEQUENCE CHARACTERISTICS:

 - (A) LENGTH: 244 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1400:

GAATTCCGCC TTCAATGGCCT AGTTCTATTT AAAAAAAATAAA CAACTAGACAA ATTAACTAGT 60

TTATTAACCT ATCACAAATTG AATTTTTTT TAATTTTCAAG TCTTAACACA TTTTTAAAAA	120
TGTATTAAG TAATACATTG TAGTAGTAGG ATTATATACT CCTTGGCTGA GAATTCCAAG	180
TACTGTGGTT CTACTGTTTA GTGGAAAATCT GAGAAAGTTA AAATATAGAA TATGAAACCT	240
CGAG	244

(2) INFORMATION FOR SEQ ID NO:1401:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 325 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1401:

GAATTCGGCC TTCAATGGCCT AAAACAAACAA AAAAATTATC TGAATGATCC TGTCTCTAAA	60
AAGAAGCCAC AGAAATGTTT AAAAATTCAG TCGACTTACG CTGAGTCATA ACGGTTAAGA	120
AAGCCTAA ACAGAACGAG AGGCTAATTG AGTGTACAT GAGGAAGTAG CTGTAGATG	180
TCACATAATT ACTTTCTGAA TAGCTCAGAT TAGAATGGCT ACCCCATTCT CTAGACAAAAA	240
TCAATTGTC CTATTGTGAC TCTTCTAAAA ATGAAGATGA AGAGCTATT AATGACACAC	300
CTTGGATTAA AACGGGAAAC TCGAG	325

(2) INFORMATION FOR SEQ ID NO:1402:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 364 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1402:

GAATTCGGCC TTCAATGGCCT AAAAGAAAAG AGAAAGTGT ATTTCCTGT TAGTACATG	60
TAGTCCCTTT GTTCTAGTAG GAAAAAAAGGT GCCTAGAGGT AGTATATAGA GTAAATATTG	120
TTCCCTTACG CTACTTCCTG CAGCTTCCAA TTATCCAAG GAAATGTCTA CAACAATTAA	180
GTTCAAAAGT CTGTTCTAGT CAATAGCAGG AGAAGTCCAC GTTATTGGC TGATTTGCT	240
TACATCAGCA AGAGAAATGT CACGTGATAC TCAGGCCGCG CTTTCTCTTC CATCACACCA	300
TCTTCAGGA ATGTCATAA ACCCACTTTG GCTAGGCAGG ATTGAATTCT AGACCTGCCT	360
CGAG	364

(2) INFORMATION FOR SEQ ID NO:1403:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 262 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1403:

GAATTCGGCC TTCAATGGCCT AGTTAGGGAC TAACATTGT ATCAACAGTT GATAAATGTC	60
TAAGATTGTT TATTATACAG CAGGGTACAA TGGTAGTGCT AATGCCAACCA GGGCACCATG	120
GAAGTTAGTC TAAAAATTAT CGCTAGGTT TATACAAGCA ACAACATATG CTGCTGCTCT	180

TAGAATTTG GGAAATGATC TGCTTCTAAT ACTAAGCAGT TCTTTAACAT TTTAAATAT	240
TGAATTCTAG ACCTGCCTCG AG	262

(2) INFORMATION FOR SEQ ID NO:1404:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 396 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1404:

GAATTCTGGCC TTCATGGCCT AGCAATTTGC TTCAGTTCC TTATGTTGC CTTTCTCATC	60
TGTCTCTTT TCATTTTAT TCCTACTCTG TCTCAGTCCA CTTCAGTTA TATTCCTAT	120
CTGTTATTT TATAATATTT GTGCTTAAT ACTTTTAAAAT TATCCTTAT TTTACTGTTT	180
CTTCTCTTCC CTTGTATAT TTTAAAGTGT TTTATTTCTC AGCCTCTAT ATCTTGCAT	240
TAATTCTGTG CCTCTACAAT AGAGTCCGTT CCAAGCTTC TGCTTCCTG TGCCCTTCCA	300
CGGCTCTGGC TCTCTCTGCA TTATTCCTA TTATATGGAAT ACAAATCTT TACCCCTTGTA	360
TTTTCTCAC TCCTCTCCAC ACACCCCCGGA CTCGAG	396

(2) INFORMATION FOR SEQ ID NO:1405:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 444 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1405:

GAATTCTGGCC TTCATGGCCT AGACCAAAAT GTCTGCCAG ATAAAGGATA CATTGTGCAT	60
ACATACACTG GGGAGAGGCA GACAAAAAAA CAATGTAGTT TGAGTGTGTG TGCGTGTGTT	120
CATGGTGCATG TGCAAGGCATG TGCAATATATA ATGCTAAAC ATGATAAGTA CTATTAAGAA	180
AACAGGTTAG GGTGATTGAA ACTACTAGGG TATGAATAAG AGTGGGTTGC AATTAAAGT	240
AGGGTCATTG TGGTTGGCCT TATTGAGGTG ACATTGGAGT CAAGACTTGG AAGAAGAAAG	300
GTTGTTGGCC ACACAGCTAT TGAGGGAAA ATGTTCCAGA TAGAAGAAC AGTCAGGGCA	360
ATGCCTTGGG ATGGAATCAT GCATAGAGTA TTCACAGAAAT AGCAAGGAAG CTCTAGTTCT	420
AAAGTAAAGT GACTGAGACT CGAG	444

(2) INFORMATION FOR SEQ ID NO:1406:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 363 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1406:

GAATTCTGGCC TTCATGGCCT ACCTAGAAGG TAGTAATGAT AAGCATTAA TTAGAAGTAG	60
GCCTGAAGTT TGCACTGCAA TGCACTAAGT ATTTACCGAG TGATTCTAT GAGTAAGGAT	120
GTGATAGCTG CTATAAGAGC TGCAAAGTTT ATTAAGATAC ATCCCTGTCC TGGAAACACT	180

GCCAGCTTCG ATGAGAATAC ACAATGTTA GATATATTG TTTTGGAGA TACCTTC	240
CCAGTTATTT TCATTTACA GCTCTCCAG CCTCCTTCAG CTTCTGTCT CCCTCTTC	300
TTTTCTGTCT CAATTTCCCT GCCCAGCCCT AAATTACAG AGTAAATCCA CCAGAACCTC	360
GAG	363

(2) INFORMATION FOR SEQ ID NO:1407:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 229 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1407:

GAATTCCGGCC TTCATGGCCT AGGCTTCAGG GATAACCAGG TTCAGGTGGG TTAGACACAC	60
CTCCTGTGGG AGGGTGATTG CAATTAGCTA TCATAAGGCA GGAGACACAA CAGCACTTA	120
AATTATCCAC AAGCAGAATC ATGAGCTGTT TGCAAAGGG A GTTCCATCG CAAGACAGTT	180
TCACTGTATT TAAGCGAGAT CCTGCCCTCG TACACGATCA CCGCTCGAG	229

(2) INFORMATION FOR SEQ ID NO:1408:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 512 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1408:

GAATTCCGGCC TTCATGGCCT AGGCTTCTAG ACAAGAATG TAGGCAGGCT CCCAAATGGA	60
GAGGTAAACA TGACCGCGTT GTTTGAAACT ACTTCATTAA TTTGTAATC AGAACCAAA	120
AGCTCTGGCC CTCCCACCTTC TCTTAGCTGA CCCTCCTCCC CACTTACGGA TAAACAGACT	180
TTAACCTCCC TAACCCAGAA ACACCTCCAC CAAAGATGTA TGGTTATACC TTATCTAAA	240
AAGGCACCAT GCAGGCATTT AAGACTGAAC CAGTGAAC TAAATATGTA GTAGTAGAAA	300
ATATCACTAA TCACAAACTTC CAGCATCAGA TGGTACAAA CCCCAAGAGG ACTGGTGACA	360
TGTACCCCG GATGGCAACC CCAGCTCTG GCAACCCAC AGCCCAGCGG GAGCTTCAGC	420
TCTGGTCAGG TGCAACGGCTG CCAAAGTCTG CACACCTTGG GGACAAGGAA AGGAGACACT	480
TGCTTCAATTG TGCTATTCTAT GACCCAGTCG AG	512

(2) INFORMATION FOR SEQ ID NO:1409:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 262 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1409:

GAATTCCGGCC TTCATGGCCT AATGGATTAT ATTTCTATAA CAGTTAGAGT ACTATTCCAT	60
TTATCTCTTT CATTGGAGT AAAGTTGGT AGTTAGGGA GGAATTGATC AATTCATCT	120
AAATTGAAAG ATTCAGGTAC ATAAAGTTGT TGTTATATTA CTTATTATTC TTTAAATGTC	180

TGTGGGTCT AGTGATGTCT CCTCTTCAG TTCTGATATT GGTAATTGT GTCTCTCTC	240
TTTTGTGCC AGCATGCTCG AG	262

(2) INFORMATION FOR SEQ ID NO:1410:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 441 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1410:

GAATTCGGCC TTCATGGCCT AGGGAGGTGG TTTCTCTATC ATTGCATGAG GTAAGAGTCT	60
GGCCCTGGAT GCTAAGGCTG CAGTTTCTA CAGAAAGGAG TCATCTCTGT GAGGCAGCAT	120
CAGCCTCAA GACACAGTG GCTGACCTGG TTTGTATAA AGATGAAAC AGCTGTTCTC	180
AACTGGCTGA GGCCGGCCAC AGAGAGAGCG GCGGGCTCAG CCTTCACAGG ATTGCTCTTC	240
CACTAAAGGG TAGGGGGTTT TAATCATCGC AGAAAGGAAG TGGGGTGA GGTCAAGAAA	300
AATAGAAGCA CGAATTCAACC CCTCAGGCT CAGCTAGAGG AAGCTAAGAG AAGAAATGAG	360
ATTGCATAAC TGTAAAGAAA AAGGCAAAGC TGGAGAGAAAT GCAGAGGATT CTGTTCCCTG	420
GAGAGAACCT TCAGACTCGA G	441

(2) INFORMATION FOR SEQ ID NO:1411:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 479 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1411:

GAATTCGGCC TTCATGGCCT AATTCAATTGT CTGGTCTTTT ACAAAAGACA TATGCTGGCT	60
CCTGCTCTCT GTGGATGATA GGTCTACAAA GATGTGATTC AACTCATATA TGCTCCAAA	120
TTTATATATT AATTCAATAA CTGTTTGTCT TTACATTAAT CTAGCATTTGT CTTTGGCTT	180
GCTACTGCAG TAAGTTACCT TCTAATTCAAT CATTAGGTCA ACTTTATCAA CTCACCTAAG	240
TCCAAAAGTA AATGTAGGTT TCTCCTGGGT TCTTTGGCT CTTAAGTTTT GCCATCCCCA	300
AATAAGCACA ACAGAGACCT GCACCAAGAG ACCTTACTTT TAGACTGAA GCACCAAAGT	360
GATTTCTGTA GAGAGAGTGA GCCAGGCTCA GTCTTATGAC TGGCAATACA AGTTGAGGGT	420
AGGAGCTTTG GACAGAACAC TAGCTATGTA TAGTGTGTC TAGGTGAGTG CTTCTCGAG	479

(2) INFORMATION FOR SEQ ID NO:1412:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 497 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1412:

GAATTCGGCC TTCATGGCCT AGCCGATTAA TAAATATGTA TATATAACCT TTCCCTTTTT	60
GAGAGATCTC TTAGTAATAG TCAAAGCCAT ACCCTATTCC TTAGTGAGAA AGCCAGTTG	120

AAACGAATGT AGCAATAGAT GTAAAAACAT TTAAAGGCGT TTTAATGTGG CTTTTAAATG	180
AGCTGGCTTA TGCTCTGAGT CCCAGCACAT TGGGCAGCTG AGCTGGGAGG ATCGCTTGAG	240
CCCGGGAGTT CAAGACTAGC CAGGGCAACA TAGTGAGACC CCATCTCTAT TTAAAAAAA	300
ATGTTTTAA AGATAAGGAA CAGACTAAA GTGATGATTG ATTGCTCAT AAACGTTCAT	360
TTGGGCTCC AGAACTAGGA ATGATGTAGA ATTTATTGTT GTGTCAATGT CTCATTAAT	420
GCTGTAGTT CCTATGTCT TGCCTACCTT CTTTCCTAG AGCCTCCAT CTGACCCTCA	480
GAGAGTAGCA GCTCGAG	497

(2) INFORMATION FOR SEQ ID NO:1413:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 439 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1413:

GAATTCCGCC TTCATGGCCT ACAGGAACAA AAAATGCTAT GCTATTATCT CAAAAATGCA	60
TACTCCTTCC TACTTAAGAA TAATAAATTAT ATATATTATG ATATGGTAAA ATTCAACACT	120
AATTGTATTT TTCCCTAGAA TGTTTAAAGC ATTATCTAAT ACCAGCTTCA GTGTCTATAT	180
TACTGTAACT TCATGAAAGA CTACTAACAA TACTGGCTAT CATTATTAAT TATTAAGTAG	240
TACTTGCCAG ATGCCGTTAG AGGTGCTTTA AATGCATTCT CATTAGTCT TCGTGTGTAC	300
TACCGTTATC TTCACCTTTT AGATAAGGAG ACTAAAGTAT AACTAGAGCT AAGAACATG	360
AGAAAGACGA CCTAGCTACT GCCTATTGTT TAATTCCCAT GGACTAAGCT TGGAGAAGTA	420
AGAACTATTA CTACTCGAG	439

(2) INFORMATION FOR SEQ ID NO:1414:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 243 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1414:

GAATTCCGCC TTCATGGCCT AGCCACTTCA AGACGGCAAG TTATTTAGC TCCTGTCTAA	60
ATAAGTTAGT GGGCTCCAGT CCTTAAACCA CTATTTCTT TATTAATTCC TCAAGTACAG	120
ACTTTGTAT GTAACCAGTC TTTTAAACC TGTGTATAAT GACTCATTAA TGAGTTGTAA	180
AATAAAATGTA GTGAGTTATG ACCAATATAA AAAAATAGAA AAGGCCAGGC ACAGTCGCTC	240
GAG	243

(2) INFORMATION FOR SEQ ID NO:1415:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 276 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1415:

GAATTCCGCC	TTCATGGCCT	AGTCTCCAA	GACAGGAATC	AGCAACCTT	TTTTGTTTT	60
CTGTATCAGT	AATTCAATTCT	GTATATTTA	AAAAGTTTA	ACCTCTCTT	CCTAGCCCTC	120
CAGTATTGT	TTATAAAATTA	AAACGTTCC	CAAAGTGT	TCTGTGAAAC	AATAGTTCTA	180
AAAGGTGCTC	TAAGAAAAGC	TAAGTACATG	GCAAATCCA	AAGTATATGT	TTTATTCTATT	240
ACATTGATG	AATTTTTTT	GTTTTTCTC	CTCGAG			276

(2) INFORMATION FOR SEQ ID NO:1416:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 341 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1416:

GAATTCCGCC	TTCATGGCCT	AGAGAGCAGG	TTTAGCTTG	CATCCAGCTG	TTTCTTGAGT	60
GATGTGTACA	GCTTACCCCC	AAAGAGGCAA	CTGAATTCA	GCTGCTCAA	TACCCACACC	120
CTCAACTAG	GTTCAGTCAT	AATAAAAAAC	AGAATGGATT	TGTTAGTCC	ATTGATTGCC	180
ACAAACCTCA	CCTCTGTGT	GGCAGAGATG	TGCTTTAGTT	CTTCATTGGA	ATGTTACTTT	240
CAGACTCAC	AAACCTCAAA	CCTAGGGCAC	CACCAATGAC	AAAGAGAATG	CTAAATAGAT	300
AAATCCTTG	CCAGGTCTTC	AAGCTTCCA	CTCCCCTCGA	G		341

(2) INFORMATION FOR SEQ ID NO:1417:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 455 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1417:

GAATTCCGCC	AAAGAGGCCT	AGCCATTATT	ATTTAAAAGT	AGGATTGCTA	CCCGCCATTA	60
CTATTA	AAAGGATTGC	TACCCGCAT	TATTATTA	AAGTAGGATT	GGTACCCGCC	120
ATTATTATTA	AAAAGTAGGA	TTGCTACCCA	ACATTATTAT	AAAAAGTAG	GATTGCTACC	180
CTCCATTATT	ATTTAAAAGT	AGGATTGCTA	CCCTCCATTA	TTATTA	GTAGGATTGC	240
TACCTGCCAT	TATTATTA	AAAGTAGGATT	GCTACCTGCC	ATTATTATTA	AAAAGTAGGA	300
TTGCTACCTG	CCATTATTAT	AAAAAGTAG	GATTGCTACC	CGCCATTATT	ATTTAAAAGT	360
AGGATTGCTA	CCGCCATTA	TTATTA	GTAGGACTG	TACCCGCCGT	TATTCACACA	420
GCTACCTTAT	GAAAGTAGTT	TCACGCTGTC	TCGAG			455

(2) INFORMATION FOR SEQ ID NO:1418:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 573 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1418:

GAATACCTAG	CTTCCATGAT	TTATGATAGA	TATCCTTAT	TGGACCAATT	CGTGTCTGTA	60
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ACCAGCCTCC	TGTTTCTACT	GCCATCCCT	CCTCATGCAC	AGATGCCTCC	TCCCTGGCT	120
CCTGCTCTGA	TCCCTGTACC	CAGCTTGTCC	CCTGCAAGCA	TGTTCCCTC	CCTTGCCAG	180
GCTCTGACAC	CCCACACATG	TGGGATCCC	CTCCCCCTGTC	CCAGCTCTGA	TACCCCTTGC	240
ATGTGTGGCT	GCCCCCTCAC	TGGGTGTCT	CTTCCCTGTC	CCAGCTCTGA	CACCCCAGCA	300
TGTGGGGCTG	CCCCGTCCT	AGGTGTCCCC	TCCTCTGTC	AGGCTCTGTC	CTCCCTGCGT	360
TGGCTTCCC	ATTCTGGATG	CACCTCACAC	ACAGCCTGT	CATCTTGGGA	TGAATTGGC	420
CTCCCCCATC	CACTGCTGGT	GCAGATGCTT	CCTTACGGGG	CCTTGTCTGA	TGGCTTTAGG	480
GCTGAATCAT	GCAGGAAGGA	AGGAGAAGGA	CAAGAAGAA	AGGAAAGGCT	GGGAAGGGAA	540
GCGGGTGTA	AAATTGGTTC	ACAAGCCCTC	GAG			573

(2) INFORMATION FOR SEQ ID NO:1419:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 188 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1419:

GAATTCTGGCC	AAAGAGGCCT	ATTTTAAAAA	AAACTATTGA	ATTTTTTAAT	TTATTTTGG	60
TTGTTTTTG	CACATGAAG	TTTCAGCTTC	TCAACCTCT	CCCCTACCCA	GGGCTGTGGA	120
CCCGAGCTGG	CCTTGAGCCA	CAGTCCCTCT	TTCCCTCCTC	ACCCCTCTCC	CCCTCCGGGC	180
ACCTCGAG						188

(2) INFORMATION FOR SEQ ID NO:1420:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 572 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1420:

GAATTCTGGCC	AAAGAGGCCT	ACGAGGAAAG	ATCTAATTAT	CATGGACCTG	CGACAGTTTC	60
TTATGTGCTT	GTCCCCGTGTC	ACAGCCTTTC	CCTTGAGCAA	ACCCACAGAA	AGGAAGGACC	120
GTGTACATCA	TGAGCCTCA	CTCAGTGACA	AGGTTCACAA	TGATGCTCAG	AGTTTTGATT	180
ATGACCATGA	TGCCCTCTTG	GGTGCTGAAG	AAGCAAAGAC	CTTGATCAG	CTGACACCAG	240
AAGAGAGCAA	GGAAAGGCTT	GGAAAGATTG	TAAGTAAAT	AGATGGCGAC	AAGGACGGGT	300
TTGTCACTGT	GGATGAGCTC	AAAGACTGGA	TTAAATTTGC	ACAAAAGCGC	TGGATTTACG	360
AGGATGTAGA	GGCACAGTGG	AAGGGGATCG	ACCTCAATGA	GGACGGCCTC	GTTTCCCTGGG	420
AGGAGTATAA	AAATGCCACC	TACGGCTACC	TTTTAGATGA	TCCAGATCCT	GATGATGGAT	480
TTAACTATAA	ACAGATGATG	GTAGAGATG	AGCGGAGGT	TAAAATGGCA	GACAAGGATG	540
GAGACCTCAT	TGCCACCAAG	GAGGGTCTCG	AG			572

(2) INFORMATION FOR SEQ ID NO:1421:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 498 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1421:

GCAAGACGGC	TACTGAGGCA	GGAGAATCGC	TTGAACCCAG	GAAGCGGAGG	TTGCAATGTG	60
CCAAGATCGT	GCCACTGCAC	ACTCTAGCT	GGGAAACAGA	GAAGACTGT	GTCTCAAAA	120
AAAAAAATCT	TNGACNAAAC	ATAGTTGTTN	ACATACTTCT	TTAATCCCAG	AGTTAGTTT	180
AAAANNACA	TGATTGCTGT	TTTGATCATAT	TATCTCAGCG	GTCTAAAATT	AACCTAGCCA	240
TGTGCAGGAA	TGGTAAAGT	CCCCTTAAAC	AAAAATGGGG	TTAGTTANGT	TAGTTCTTT	300
GCCATTTCAC	TGGTCATATA	CCTGAAGGGC	TTAGCTGAC	ACAATTGAAC	GCCAGACGGA	360
AGCCGNGATC	AGCGGTCCCTG	ACGGGGGTCA	GAGTCAGACC	AGGGGTCTTT	TACCCAAGTG	420
GGGAAGATTG	GGAAAGGCCT	AGGATCAGAG	AGGGAAATGG	GTCCTGGTT	GCCCATGGAC	480
CTAATGGGGT	CTCTCGAG					498

(2) INFORMATION FOR SEQ ID NO:1422:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 827 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1422:

GAATTCCGGG	CCCGCGTCGAC	GAGGAAACCA	GCCAAGGACT	AACTACGACC	ATGAGATTGG	60
CAGTGATTTG	CTTTGCGCTG	TTTGGCATTG	CCTCTCCCT	CCCGGTGAAA	GTGACTGATT	120
CTGGCAGCTC	AGAGGAGAAAG	CTTTACAGCC	TGCAACCCAGA	TCCTATAGCC	ACATGGCTGG	180
TGCTCTGACCC	ATCTCAGAAAG	CAGAAATCTCC	TTGCGCCACA	GAATGCTGTG	TCCTCTGAAG	240
AAAAGGATGA	CTTTAAGCAA	GAAGACTCTTC	CAAGCAATTTC	CAATGAAAGC	CATGACCACA	300
TGGACGACGA	TGATGACGAT	GATGATGACG	ATGGAGACCA	TGCAGAGAGC	GAGGATTCTG	360
TGGACTCGGA	TGATCTGAC	GAATCTCACC	ATTGGATGA	GTCTGATGAG	ACCGTCACTG	420
CTAGTACACA	AGCAGACACT	TTCACTCCAA	TCGTCCTCTAC	AGTCGATGTC	CCCAACGGCC	480
GAGGTGATAG	CTTGCTTAT	GGACTGAGGT	CAAAGTCTAG	GAGTTTCCAG	GTTTCTGATG	540
AACAGTATCC	TGATGCCACA	GATGAGGACC	TCACCTCTCA	CATGAAGAGC	GGTGAGTCTA	600
AGGAGTCCCT	CGATGTCATC	CCTGTTGCC	AGCTCTGAG	CATGCCCTCT	GATCAGGACA	660
ACAACGGAAA	GGCAGCCAT	GAGTCAGTC	AGCTGGATGA	ACCAAGTCTG	GAAACACACA	720
GACTTGACCA	TCACAAAGAG	AGCCAGGAGA	GTGCCGATCA	GTCGGATGTC	ATCGATAGTC	780
AAGCAAGTTC	CAAAGCCAGC	CTGGAAACATC	AGGCCACGG	CCTCGAG		827

(2) INFORMATION FOR SEQ ID NO:1423:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 348 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1423:

GAATTCCGGG	CCCGCGTCGAC	GGGAGAGGAA	GGGTTGGCA	GGATGGAATA	TTAAATTGTA	60
ACATGATAAA	CATGCAAGAC	TGTTATCCAA	TCTAGATAAT	TTATATACAT	TTTGATGACT	120
TAGGAAACAA	AAGCAATCAT	TTGTGACAAG	CCTAAAAAGC	TTGACATATT	TAACATACCTT	180
AGGAACCTTT	TTTGCGCGT	CGGAATTCTC	TAATTGATTC	ATGTGGCCT	TTTGAAAGTA	240
ACAAACAGAA	GGCCAGTCTG	TTGCAAGTTT	GCTGCTGAC	ATCACATTCC	ACCCCTAACGAA	300
AACACAAGGT	GGATTGTCATC	GAGGGTGGAT	ACCTTACCTT	AGCACAGA		348

(2) INFORMATION FOR SEQ ID NO:1424:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 152 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1424:

GAATTTCGCGG CCGCGTCGAC TTGGAGAATG TGGCCTCTGA TCACTAACCA GGGTTTTCTC TTTACACTGG CTGTGTTACT TATTCTTCA CCAAAGCCAG GGAACGTCCC TTTAGCTACT GCAGCATTTC TAAACAGATGC GACAAATCAC AG	60 120 152
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(2) INFORMATION FOR SEQ ID NO:1425:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 206 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1425:

GAATTTCGCGG CCGCGTCGAC CTAACCGTC GATTGAATTA GACCTGCCCTC GAGATGCC ACTTTCTGCT CACCCACCTT AGAGCCTTTG CATATCAGT TGCTTCCTCA GAGTATTGCC ATCCCCAGCA CGACCCCCAG CTCATTCTTC AGGCCACTAA CGTAAATGTT ACTTTCTCAA AAACACCCTC TCCATCCCGG CACCCA	60 120 180 206
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(2) INFORMATION FOR SEQ ID NO:1426:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 353 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1426:

GAATTTCGCGG CCGCGTCGAC GTGGGTACTT CATCCTCCCTC ATCACTGGTT GGCAC TGAGA GCTTCTTAAG ACAGCTCCATG AGCTCTTTCT CTTCTCCATC ATCACTCCACA TCCTTCTTCC GCCTGCCTT TCCTGTTATCT CGCTTTTTTT TTTGCTGCTG TTGCTGTTGC TGCTGCTGCT GCTCTTCTC CTGAGCACT TTCTCTCTT CCCCAGCTG TTTATCTTCT ACTGCCAGCT CTTCAAAGAA CGTTTTTTTG ATCTTCTNGT CCTTCTTCCC TTTCTTCACC ACTTTGTCTG ATGGGCTCGT GCTCTCTCCG TCCCCGATCC ACTCGGGCTC CGGCGGACTC GAG	60 120 180 240 300 353
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(2) INFORMATION FOR SEQ ID NO:1427:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 343 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1427:

GAATTCGCGG CCGCGTCGAC	AGATATTGG TTATCTTGAC	TTTTAAAAAT AACATATTTC	60
TACAGGATTT TGAGTCTGAG	AAGAGAAAGG TAATATGCAA	GACACTTCGA TTTGTTGCAC	120
ATTATTATGG AGCATCATT	ATGGTTGTA CATTCTTGT	CCTTGGGCT TGAATGGACA	180
GTACCAAAATT TGGGAAATC	AGCAACTTGA TGCACAGCTA	CGAGGAATAA ATGCCTTGC	240
TAATGCACAT GGTCCCGTIG	CTTCCCCTACT GCTGAAGACC	TCTCCTTACA GAGTGTGGA	300
TAATGCATCT GTTGAACATG	CACTGCTAGA TGGTCCTCTC	GAG	343

(2) INFORMATION FOR SEQ ID NO:1428:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 542 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1428:

GAATTCGCGG CCGCGTCGAC	GAGGGAAAGA TGTCACGCAA	GATAGAAGGC TTTTGTTAT	60
TACTCTCTT TGGCTATGAA	GCCACATTGG GATTATCGTC	TACCGAGGAT GAAGGGCGAGG	120
ACCCCTGGTA CCAAAAGCA	TGCAAGTGGC ATTGCCAAGG	AGGACCCAAT GCTCTGTGGT	180
CTGCAGGTGC CACCTCCTTG	GACTGTATAC CAGAATGCC	ATATCACAAAG CCTCTGGGTT	240
TCGAGTCAGG GGAGGTCAACA	CCGGACCAAGA TCACCTGTC	TAACCCGGAG CACTATGTGG	300
GCTGGTATTTC TCGTGGACT	GCAAACAAGG CCCGGCTCAA	CAGTCAAAGGC TTGGGTGTG	360
CCTGGCTCTC CAAGTCCAG	GACAGTAGGCC AGTGGTTACA	GATAGATCTG AAGGAGATCA	420
AAGTGATTTC AGGGATCTC	ACCCAGGGGC GCTGTGACAT	CGATGAGTGG ATGACCAAGT	480
ACACGGTGCA GTACAGGACC	GATGAGCGCC TGAACGTGGAT	TTACTACAAG GACACTCTCG	540
AG			542

(2) INFORMATION FOR SEQ ID NO:1429:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 465 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1429:

GAATTCGCGG CCGCGTCGAC	TTAACAGACT GCTTCGGAGA	CCGTAAGGAT ATTGATGACC	60
ATGAGATCCC TGCTCAGAAC	CCCCCTTCCTG TGTGGCTGC	TCTGGCCCTT TTGTGCCCCA	120
GGCCGCCAGGG CTGAGGAGCC	TGCAGCCAGC TTCTCCAAAC	CCGGCAGCAT GGGCCTGGAT	180
AAGAACACAG TCACAGGACCA	AGAGCATATC ATGGAGCATC	TAGAAGGTGT CATCAACAAA	240
CCAGAGGGCGG AGATGTCGCC	ACAAGAATTG CAGCTCCATT	ACTTCAAAAT GCATGATTAT	300
GATGGCAATA ATTTGCTTGA	TGGCTTAGAA CTCTCCACAG	CCATCACTCA TGTCATAAG	360
GAGGAAGGGA GTAACACAGG	ACCACTAATG AGTGAAGATG	AACTGATTAA CATAATAGAT	420
GGTGTGTTGA GAGATGATGA	CAAGAACAT GATGGCATAC	TCGAG	465

(2) INFORMATION FOR SEQ ID NO:1430:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 373 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1430:

GAATTCCGGG	CCCGCGTCGAC	GCTGTTCATG	AGGAGACTTA	ACCACAATTC	AAAGTGTAGC	60
AGTTGTGTAT	TTAGCATTAA	TAATATTGAA	TTGAGCCCT	GAGGTGTTAA	TATCTCAATC	120
TCAGAGTTAG	ATGTCATGT	CCTTTTGAA	TTTTTTAAC	ATTTTCTATA	ATTTTTTTT	180
TAAGTTAGG	AGCACATTGA	TGAAAGTTCT	CTGTGTAGAA	CAATACCTTC	TGCTCTGCTT	240
CTCCCAGCTT	TCACTGAGGG	CTGGAAAAGG	ACAGGCCCTG	CCAGCTGTAC	TGTCCCACTG	300
TGTATGGGGA	AGCTCAGGCT	CTGGTGGAAAG	CAGGGGCAT	GGATGTCAA	CAACTGATGT	360
GCAAACACTC	GAG					373

(2) INFORMATION FOR SEQ ID NO:1431:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 632 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1431:

GAATTCCGCC	TTCATGGCCT	ACTACTGATG	AGAACATTAT	CTGCATATGC	CAAAAAATT	60
TAAGCAAATG	AAAGCTACCA	ATTTAAAGTT	ACGGAACTCA	CCATTTAAA	GTTAATTGCT	120
TGTCAGCTA	TAACCCACAA	ATAATGAAT	TGATGAGAAA	TACAATGAAG	AGGCAATGTC	180
CATCTCAAA	TACTGCTTT	ACAAAAGCAG	AATAAAAGCG	AAAAGAAATG	AAAATGTTAC	240
ACTACATTA	TCTCGGAATA	AAAGAAGCCG	AAATAAATGA	GAGATGAGTT	GGGATCAAGT	300
GGATTGAGGA	GGCTGTGCTG	TGTGCCAATG	TTTCGTTTC	CTCAGACAGG	TATCTCTCG	360
TTATCAGAAG	AGTGCTTCA	TTTCATCTGG	GAGCAGAAA	CAGCAGGCAG	CTGTTAACAG	420
ATAAGTTAA	CTTGCATCTG	CAGTATTGCA	TGTTAGGGAT	AAGTGCTTAT	TTTTAAGAGC	480
TGTGGAGTC	TTAAATATCA	ACCATGGCAC	TTTCTCCGA	CCCCTCCCT	AGGGGATTTC	540
AGGATTGAGA	AAATTTCCTCA	TCGAGCCTT	TTAAATTGT	AGGACTTGTT	CCTGTGGCCT	600
TCAGTGATGG	GATAGTACAC	TTTCACTCG	AG			632

(2) INFORMATION FOR SEQ ID NO:1432:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 298 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1432:

GAATTCCGCC	TTCATGGCCT	ACTAAATTCC	AAGAGCTAA	CTTTATACCG	CCTGCAATAT	60
TTCCATTAC	TACCAAGTTT	TTTCTGACCT	AGTCAGATAT	AAGAAGCCCC	CTTACTGGAT	120
ACAAGACAGT	TAATTATCA	ATCCAGTCTG	ATCCTAGATC	CAGTCTGATC	CTAGACCCAG	180
TCCAGTTCT	GTGTGACTT	CCAAACCCAG	TTGGATCA	AAATTGCTC	AAAGAAA	240
GGAGAGCTCA	AAACACAAAT	ATGTGGAGCT	TCTGAATCTG	AGAGAGAACG	AACTCGAG	298

(2) INFORMATION FOR SEQ ID NO:1433:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 335 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1433:

GCCTGGTTTC ACCTTGTGG CCAGGCTAGT CTTGAACCTCC TGACCTCAGG TGATCCACCC	60
ACCTCGGCCT TCCAAAGTGC TGGGATTACA GGCATGAGCC ACCGCATCTG ACTGGTGCAC	120
TTTACTTTGA CCTGTCATAA ATCCCTGGT TTGTTATTAC TAGTTTTAC TTTAGACAGC	180
AATTATCTTT CAAGGAAAAA TTAAAGGAA AAAAATGTCT TATATTTACC CTCATGTTA	240
CCATTCCCAG TGCTCTTAT TTCTTTATGT CAATCCGGAT TTCAATTGT TATCATACTG	300
TTTCTGCTG AATAACAGTT TAACAGCAAC TCGAG	335

(2) INFORMATION FOR SEQ ID NO:1434:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 316 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1434:

GAATTCCGCC TTCATGGCCT AATGCTCTGT GTCACTGTCT CCCGGTGCTC AGCACAGACA	60
AGTTCAAGAC AGATTTTAT GATCAATGCA ACGACGTGGG GCTCATGCC TACCTCGGCA	120
CCATCACCAA AACGTGCAAC ACCATGAACC AGTTTGAA CAAGTCAAT GTCCCTACG	180
ACCGACAAGG CATCGGCAGG AGAATGCGCG GGCTCTTTT CTGATGAGGG TACTTGAAGG	240
GCTGATGGAC AGGGGTCAGG CAACTATCCC AAAGGGGAGG GCACTACACT TCCTTGAGAG	300
AAACCACTGT CTCGAG	316

(2) INFORMATION FOR SEQ ID NO:1435:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 383 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1435:

GAATTCTAGA CCTCCCACCC TGTAGAACAT TCTCCTCACT TAGGAGATAG TCATATTTTC	60
AGGCTGCCCT TGAAACTGTG GGTACACAAA CAGCAGAGCG ATCTATTCA GCAGTTGAAG	120
TTGTATTGAA GCCATTATTT CTTCCACTCT CTTTTGGTT GAGTTTCTAG GAAGGAAAGG	180
GCTGAACCTCC ATGACTGCTC ATATTACAGT GCTAAGTCCT CACAGCCATC CACTTTTAT	240
ACACAAGAAG AAACTAGGCC CACCAAGAGT AACCGCCCTGC CTGAGGTCCG TGAGTGAGTA	300
AGGGCCAAAG GTGAGGTGG GATCTGGCCC TTCTCTTTT CTGGCCACCA CAGGGCACTA	360
CCTCCCATAAC CCACACACTC GAG	383

(2) INFORMATION FOR SEQ ID NO:1436:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 303 base pairs

(B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1436:

GGAGAACTGC TAAGGTCCAC AACGTCGACA ATTGAAAGCT TTGCTGCACA AGAAAAACAA	60
ATGGAAGTTT GTGAAGTATG TGAGGCTTT TTAATAGTAG GAGATGCCA GTCCCGGGTA	120
GATGACCATT TGATGGAAA ACAACACATG GGCTATGCCA AAATTAAGC TACTGTAGAA	180
GAATTAAAAG AAAAGTTAAG GAAAAGAACC GAAGAACCTG ATCGTGATGA GCGTCTAAA	240
AAGGAGAACG AAGAAAGAGA AGAAAGAGAA AAAGAACGGG AGAGAGAAAG GAAAGAACTC	300
GAG	303

(2) INFORMATION FOR SEQ ID NO:1437:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 228 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1437:

GAATTCCGCC TTCATGGCCT AGACTTTTAC ACATTTTAT TAGCTACCTG GAATTATTTT	60
TGTAACACGT TAAGTGTAAA TAAACAAATA ATGCTTGCT TTTTGTGTT TGGAATTATT	120
GTTGTATTTT TTTGCCAAAT GCATATATCT TCAGGTCTTT TTTTATAAC CATATGCATA	180
CCAAGGCACC ATTCCATTGA CTTTCCAAC TCTGTCCAA CCCTCGAG	228

(2) INFORMATION FOR SEQ ID NO:1438:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 498 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1438:

GTGAATTCCA GTCCCCACCC AGAAACCCGC AGCATGATTG TCTGCCTCCT TTTCATGATG	60
ATTTTATTGG CAAAGGAAGT TCAACTGGTA GACCAACAG ATTCAACCTTT ACTTAGTCTC	120
CTTGGACAGA CAAGCTCACT TTCACTGGCAT CTTGTGGATA TTGTGTGTA CCAGAGTGTG	180
CTAAGTTATT TCAGCAGCCA TTACCCGCCG TCCATCATCC TGGCAAAAGA ATCTTATGCT	240
GAATTAATCA TGAAGCTCCT AAAAGTGTCT GCGGGCCTTT CTATTCCTAC TGACAGCCAG	300
AAGCATCTTG ATGCAGTTCC AAAATGCCAA GCTTTTACTC ATCAGATGGT TCAATTCTC	360
AGCACCCTGG AACAAAATGG AAAATCACC TTAGCAGTCC TAGAACAGGA AATGCTAAG	420
CTCTTAGACG ATATCATTGT CTTTAACCCG CCGGACATGG ACAGCCAGAC CCGCCACATG	480
GCCCTCAGCG GTCTCGAG	498

(2) INFORMATION FOR SEQ ID NO:1439:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 314 base pairs
 (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1439:

GAATTGGCC	TTCATGGCCT	AGCAGGGAGA	GGGGTTCTGT	GCTCCTGAGA	TTAGTTCAGA	60
TGGCTCAACC	ATTGTTCTAT	ATGTGCATT	TAGTTAATAT	TGTGTATCAA	AGGATAAGTC	120
TTAATGCTCA	AAAGTATGTTA	AAAATAGATC	TAGTAAATCA	GTCCCTTGT	GAATGTCCTT	180
TTGTTAGTTT	TTAGGAAGGC	CTGTCCTCTG	GGAGTGACCT	TTATTAGTCC	ACCCCTTGGA	240
GCTAGACATC	CTGTACTTAG	TCACGGGGAT	GGTGGAAAGAG	GGAGAAGAGG	AAGGGTGAAG	300
CGAAGTGGCT	CGAG					314

(2) INFORMATION FOR SEQ ID NO:1440:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 424 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1440:

CCAGCCGTCT	GCAGGCTCCGG	CGGCCACTTG	CGCCTCTCCA	GCCTCCCGAG	GCCCAACCGC	60
CGCCAGCACC	ATGGCCAGCA	CCATTTCCCG	CTACAAGGAG	AAGATGAAGG	AGCTGTCGGT	120
GCTGTCGCTC	ATCTGCTCT	GCTTCTACAC	ACAGCCGAC	CCCAATACCG	TCTACCACTA	180
CGGGGACATG	GAGGTGAAGC	AGCTGGACAA	GCAGGGCTCA	GGCCAGAGCT	TCGAGGTCT	240
CCTCAAGTCC	CCTCTGACC	TGTCCCCAGA	GAGCCCTATG	CTCTCCCTCC	CACCCAAGAA	300
GAAGGACACC	TCCCTGGAGG	AGCTGCAAA	GCAGGGCTGGAG	GCAGCCGAGG	AGCGGAGGAA	360
GACGCAGGAG	GGCGCAGGTGC	TGAAGCAGCT	GGCGGAGCGG	CGCGAGCACG	AGCGCGGGCT	420
CGAG						424

(2) INFORMATION FOR SEQ ID NO:1441:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 346 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1441:

GAATTGGCC	TTCATGGCCT	ATAGGCCATG	AAGGCCGCC	TTCATGGCCT	AGTCAGGCTT	60
AAGTTTAATA	AATAGCAAAT	TGCATACAGA	TATTTACAAT	GATCGAAAGA	CAAACAGAGG	120
TCCTATCCGT	GCAGTCCCAA	CAATAAAGAC	AGGCATTGGC	ATAAGTGT	TATAAATTCT	180
TGGGTACAGC	TGTTCTGAAA	GTAAAGTTCA	CTTTCAATCC	TAACAAAGT	CGCTATTCC	240
TCCCTGGCTG	CTCTGGACTG	TCCTCATCCT	CTTTAGCTGC	TGTTGCGCCT	TCCGCCACCG	300
ACGAGCTAAA	CTCAGGCTGC	AACACAGCA	GGGGCAGCAT	CTCGAG		346

(2) INFORMATION FOR SEQ ID NO:1442:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 591 base pairs
 (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1442:

GAATTCTGGCC	TTCATGGCCT	AGGCTTCCCT	GTTCCCTCAG	CCCCAGTCGA	GAGGAAAGAG	60
AATCGGGCCA	CTGCCAGAAA	GAGACTCAAG	CAAACCTGGA	AGGGCAAATC	TGAGAGTGGG	120
AAGGCCAAAG	GCCGAGGCC	AGATTTAGTA	TTCACTAGCA	GCGCCTTCGG	GTAGCAGGAT	180
GATTCCCTTT	CTTGCCTGTC	TGCTGCTGGC	TCTCTCCCT	AAGGTACAGG	TTGGCAGGAC	240
CACCTCCGCC	TACTTCTCCA	CCATCCCTAG	CATGCCAGCC	CGTTCCAGA	TCAACCTGCC	300
AGTGGAGTCA	GGCAGTGCAC	TCCCTGGAGC	AAGAGGGAAG	GGCAGGGTAG	AGAGGGTATG	360
TCCAGTAGCC	TGGAGCTCCA	TGGTGGCTTC	ATGCCTCCCT	TCTCCCAAGCT	CAGGTGGCCC	420
TGAGGGCTCC	CTCGGAACAG	TGCCCTAAAT	CCTGACCCAA	GGGCCACGAT	GGGGAAGAGA	480
TGGTTGCAGG	CAAATGCAC	TTTATAGAGA	TTTTCTATG	CTGGGAAGGT	GTGTTCTCC	540
CACAATTGTG	TTGTGAATAT	TCACCTGTTT	TATAATGTC	TGACCTGTC	G	591

(2) INFORMATION FOR SEQ ID NO:1443:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 526 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1443:

GAATTCTGGCC	TTCATGGCCT	AGATTGAATT	ACCTGCCTCG	AGCTCCTGTC	CTTAGGTGAT	60
CTGCCGCT	TGGCCTCCCA	AAGTGTGGG	ATTATAGGAG	TGAGCCACCT	GGCCCAAGCTA	120
GCTTTAAAG	TTCTGCCAGC	ATAGCCCCGG	GATGGGGTGG	GGGTAGACAG	GGCCTTAGGA	180
CTTTCATTTT	TAAATGCTC	ACTCCACAGT	GAAGAAACAG	GTGATGACTA	TCCTGAATAT	240
TTGGGAAGCT	GTGTCTAGA	ATTTTGGCC	TCAGTCCAG	AACCCACAGC	TTCTTTACAA	300
CATGCTTCAA	GCCTGGGACT	GAGCTGCCAG	TAATAAAACC	CCTAGTAACC	TTAATATGGG	360
TTAATAAGAT	TAGGTGCCCG	CTCTGCACGC	TCCCCTGCC	CTCCTCGTCC	GGGCACCTGT	420
TATGCTAGGC	CAGCATGTTT	GCAGCTTAGC	CAGGGAAAAT	CGTGGACCAA	GACAGGGCTT	480
TTCATCCACG	ACTGGCTAAA	AAGATGGCTC	TCAATAATAT	CTCGAG		526

(2) INFORMATION FOR SEQ ID NO:1444:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 279 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1444:

GATTGAATTC	TAGACCTACC	TCTCTTTTTT	TGTGGTCTCT	CCTTCATTCT	CTGTCATT	60
CTCCGTGAGA	TTTTCTGATT	AGTAGTTACC	TTCAAGCATGC	CAGTTGACTT	GCAAACCTAC	120
AATCCAACCT	TTCTTCTACT	TTGTCATCTG	ACAACAGCT	GGTTTGTAGC	TGATTCCAGG	180
ACTTCTTCAC	TTGGGTGGCC	ACTCTCATTA	CCACAGAGTT	CACTACTCAT	GGTGAACACA	240
CCAGTCTTTT	ACACCTCCCT	CACTCCAAA	CCACTCGAG			279

(2) INFORMATION FOR SEQ ID NO:1445:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 644 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1445:

GAATTGGTC TTCACTGGCCT AGGGGAAGAA AGGCACCTTT CTCACAGGGT GGTGAGAGAG	60
AGGAAGGGG ACCGGGAAAG CCCTTTATAA AAGCATCAGA TCGGCTGGC ACAGTGGCTC	120
ACGCCTGTA TCCCAGCACT TTGGGAGGCC GAGGCCGGGTG GATCGCGGGG TCAGGGGTTT	180
GAGGCCGGCC TGGCCAATAT GGTGAGACCC CGTCTCTGCT GAAGATACAA AAATTGGCTG	240
GGCATGGTGG CGGGCACCTG TGGTCCCGGC TGCTTGGGAG GCTGAGGCC GAGAACCGCT	300
TGAGCCCCGG AGCCAGAGGT TGCAGTGAGC TGAGATCGCG CTACTGCACT CCAGCCTGGG	360
CAACAGAGCG AGACTCCATC TCAAAAATAA AAGAAAGGCA TAAATATTAC ATTACCCCTCT	420
GAATACTGTG GTTGATACT TGAGTTTTA TGTGTGTATA TATATGTGTA TAGGAGAGTA	480
AAAATAAAAT GAAATTAGGA TTTTGCAAGT TATAATCATA TAAAATTGAT TACCTAAAT	540
ATATCATTAG GATATTATGT TATTTACATC TCTTATGCTA ATTCTAATT TCTTTTATTG	600
TAGTATAGTA GAATTGAGAT TTGNNAATGG AATTGGTCT CGAG	644

(2) INFORMATION FOR SEQ ID NO:1446:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 756 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1446:

GAATTGGCC TTCACTGGCCT ACCTCACCCG GCCCGGACAC GGACAGGATT GACAGATTGA	60
TAGCTCTTTC TCGATTCCTG GGGTGGTGGT GCATGGCCGT TCTTAGTTGG TGGAGCGATT	120
TGTCCTGGTTA ATTCCGATAA CGAACGAGAC TCTGGCATGC TAACTAGTTA CGCGACCCCC	180
GAGCGGTGCG CGTCCCCCAA CTTCTTAGAG GGACAAGTGG CGTTCAGCCA CCCGAGATTG	240
AGCAATAACA GGTCTGTGAT GCCCTTAGAT GTCCGGGCT GCACGGCGC TACACTGACT	300
GGCTCAGCGT GTGCCCTACCC TACCCCGGCA GGCAGGGTA ACCCGTGTAA CCCCATTCGT	360
GATGGGGATC GGGGACTGCA ATTATTCCCC ATGAACGAGG AATTCCCAGT AAGTGGGGT	420
CATAAGCTTG CGTTGATTA GTCCCTGGCCC TTTGTACACA CCAACCCGTC ACTGACTTTT	480
ACCGCAGCTG GAACTGTGCT CCAGGGCCTT TCCATCTTTT CCCCCACACT CCCTTGACC	540
CTGTGTTGCC CTCAGAGGCC AAATTCTTG GCTCAGGGAC TGGCTTCGG CCTATTGGTG	600
GTGGAGCTGG GTGTCTGGCA AGGAATTCA GGCAGCGCTT GGAGGCAATG TTCCCCGAGA	660
GCAGTTCACG GTGGTGATGT TGACTTATGA CGGGGAGGAA GTGCTTATGA ACTCTTTAGA	720
GAGGCTGAAT GGCCCTCCCTT ACCTTGAACCT CTCGAG	756

(2) INFORMATION FOR SEQ ID NO:1447:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 359 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1447:

GAATTGGCC	TTCATGGCCT	ACCTGCCTG	AGGTCACTGG	GATCATCTGA	ACAGAAAGTGC	60
ACAGGCTACT	TGTACAGAGA	AAAAATTAAT	ACTCAAAGGA	AATCTTCATT	TTTTAGATTG	120
ACTTTGGAA	TTTGAATTTC	CATCACTGCA	AAATAAAATT	TCTCTATCCT	GCTCTGAGGC	180
TAATTGGTAC	CATACTTCC	CTTTGTGTCT	TGTCACTCTG	CCACATCCC	TCTCATCCTG	240
GCCTCTGAGT	CAAGAACCCA	GTGAACTGAC	TTTCTAGTTC	TAGAAGTTCC	GCTGCAAGGC	300
CAGGAAAGCT	TGAGAAAGGT	ATTGTGGAAG	AAGCAAAGGT	AGACCCCCAT	TCACTCGAG	359

(2) INFORMATION FOR SEQ ID NO:1448:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 146 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1448:

GAATTGGCC	TTCATGGCCT	AGGGAAAATA	AGTTAATTCT	AAATCAAATC	AAAATATTAT	60
ACCTCATGCT	ATGGTTTAT	TTTATTCAG	TGCTGCCGTT	ACTTTCCCTC	CCCAAAGCAA	120
TGTGTTTCC	AGCCACAACC	CTCGAG				146

(2) INFORMATION FOR SEQ ID NO:1449:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 308 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1449:

GAATTGGCC	TTCATGGCCT	ACTTTCAAA	AGCAGCTTTG	CTCTACTGAT	TTGGGTAAAA	60
GCTTAGTTG	AGTTGGNTTG	GGAGGAAATG	GGAGCAGAAA	ATTTGAGAGA	GTGAGTGTAG	120
ACAACTCTT	CAAGGAATT	CGCTATAAT	GGGAGTAGAG	ATCTGAAGAC	TGAATAATTA	180
GCAAACGAA	AACTGGGAAG	ACGTAATTCT	CTTATTATT	CATTTTTCTT	AGTGAAAATAA	240
GAGGTGAAGT	TCTCTGAGTA	ATAGGAGGGT	CAAACAGGNG	TTAGAAGTTC	ACAAAGAAAG	300
GTCTCGAG						308

(2) INFORMATION FOR SEQ ID NO:1450:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 545 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1450:

GAATTGGCC	AAAGAGGCCT	AGCATGTTGT	GGCTGTTCA	ATCGCTCTG	TTTGTCTTCT	60
GCTTGGCCC	AGGGAATGTA	TTTCAACAA	GCAGCTTAAAC	CCCATTGATG	GTGACGGGA	120
TTCTGGGGA	GTCACTAACT	CTTCCCTG	AGTTTCTGC	AGGAGAGAAG	GTCAACTTCA	180
TCACCTGGCT	TTTCAATGAA	ACATCTCTG	CCTTCATAGT	ACCCCATGAA	ACCAAAGTC	240
CAGAAATCCA	CGTACTAAT	CCGAAACAGG	GAAAGCGACT	GAACCTCACC	CAGTCCTACT	300

CCCTGCACT CAGCAACCTG	AAGATGGAAG ACACAGGCTC	TTACAGAGCC CAGATATCCA	360
CAAAGACCTC TCGAAAGCTG	TCCAGTTACA CTCTGAGGAT	ATTAAGACAA CTGAGGAACA	420
TACAAGTTAC CAATCACAGT	CAGCTATTTG AGAATATGAC	CTGTGAGCTC CATCTGACTT	480
GCTCTGTGGA GGATGCAGAT	GACAATGTCT CATTAGATG	GGAGGCCCTG GGAAACACAC	540
TCGAG			545

(2) INFORMATION FOR SEQ ID NO:1451:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 331 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1451:

GAATTCGGCC AAAGAGGCCT ACAGTAAGCA	GATGAACCTG CTTGCTGTT	TCGAAGTGAG	60
GAAGTGAAGGG AACGAAAACG	GGGGTGGGTT TTTGCGCTTC	AAAAAGGGGA AGCGATGAG	120
CCTCGTTTTT GGACTGTATA	TAATGACCTT GGTAATGGCT	TCTTACATCC TTTCTGGGGC	180
CCACCAAGAG CTTCGTATCT	CATCACCTT CCATTACGGA	GGCTTCCCCA GCAACCCAG	240
CTTGATGGAC AGCGAAAACC	AAAGTGACAC AAAGGAGCAT	CACCACCAAT CCTCTGTAAA	300
TAATATTTC	TACATGAAGG	GAACCCCTCGA G	331

(2) INFORMATION FOR SEQ ID NO:1452:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 263 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1452:

GAATTCGGCC AAAGAGGGAA GGGAAAATTT CAAGTCAGAT	AGAATTCTAT ATATACCATT		60
TCTTGGAAC CTTCAGCCCT CAAGATTCCA	ACATCATGAC CTCAGTTCA	ACACAGTTGT	120
CCTTAGTCCT CATGTCACTG	CTTTGGTGC TGCTGTTGT	GGAAAGCAGTA GAAGCGTATA	180
TGCACGAAA AGAAATGGAC	AGATGTGACT TTGAAAGGCC	TACTGAGTCA AACCTCACCC	240
TGAAAACCTT TGCAGCACTC GAG			263

(2) INFORMATION FOR SEQ ID NO:1453:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 558 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1453:

GAATTCGGCC AAAGAGGCCT AATTTTAAAG CCCTGCTAAC	TTCAATGTCT AGGTACACCA		60
TTTGTGTTATT TTTATGGTCT	TTTTTCATCC TGATTTTGG TCATTTGGTC	CCGTCTTATG	120
GCATACCTGG TAATATTTA TTGAATCCTT	AGTACTGTAC ATGAAAATT	GTAGAGGCC	180
CAGTAGTTT CTTTCTCTGA	AGAGGAGTCA CCCTTTCCCT	CACTAGACAG TTATGTTGGG	240

GGTTATATAC	CTTACTCCAA	TCAAAGATTG	AGCTGAGTCA	GAACCTCAAG	GGAGGTTAAGT	300
TTTTGTGTC	CTGGGGAC	AGGGGTTCCA	ACTAAGACTG	TGATATTCA	CAGGATCCAA	360
TTTCCCGATG	CCTCTTGAAC	TCTTATTCTT	ATCTTTTAA	CACATCAAGG	CAGCTGGTTT	420
GCATTTTCT	TCATGTTAG	CTTTTAGCT	TCATCCTTG	CAGCTTAA	AATTGACAGT	480
TGCTTACAG	GGAAAAGTAG	CTGTGTAACA	AGCTCATGTC	TCTGCCTCTC	TTCCACTGAT	540
ATCTTAGCCC	CGCAGGAG					558

(2) INFORMATION FOR SEQ ID NO:1454:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 328 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1454:

GAATTCCGCC	AAAGAGGCCT	ACCTAAACCG	TCGATTGAAT	TCTAGAAATA	CAATGATTT	60
AAAAAAAGATT	TCCAAAGGCT	TTTTCTTTTT	TTCTTTTTC	TNGAGACAGG	GTCTCACTCT	120
GTCGCCAGG	CTGGAGTGCA	GTGACACAAT	CTCGGCTCAC	GGCAAGCTCC	GCAC TGCCCC	180
CTCAGGTTCA	CGCATTCTCT	CCGCTTCAGC	CTCCCGAGCA	GCCGGGACCA	CAGGCACCGG	240
CCACCAAGCC	CAGCCAACCTT	TTACATTTTT	AGTAGAGACG	GGGCTTCACC	ATGTTGGCCA	300
GGATGGTCTC	GGTCTCTTCT	GCCTCGAG				328

(2) INFORMATION FOR SEQ ID NO:1455:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 481 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1455:

GAATTCCGCC	AAAGAGGCCT	ACTTGATGTC	TGTGACCCAC	ACNTATTGCG	ACACTCCCTC	60
CCCTTTGAA	AATCCCTAAT	AAAAACTTGC	TGGTTTTTGC	GGCTAGTGGG	GCATCATGGA	120
ACCTACTGAC	ATGTGATGTC	TCCCGGGAT	GCCCGGCTT	AAAATTCTC	TCTTTTGTAC	180
TCTGTCCTT	AATTCTCAA	GCTGGCCGAT	GCTTAGGGAA	AATAGAAAAG	AACCTAGGTG	240
AATATTGGGG	CAGGCTCCCT	GATGAAATGA	TATATATTCT	AAAATAAAC	TTTCATCTT	300
TGCAATATAG	TTTATATGCC	GAGTTTCTC	CAACCTTGT	TTACAGCACT	TTGTATACTA	360
CATTCTAGCC	ATACTAAACT	CTTGAGTTC	CTGAGACATG	TGCTGTATCC	TATTTCTTCT	420
GGTCCTTTTC	TCATTGATTA	ACTACCTGGA	GCATACTTT	AATTCACTGT	CAGCGCTCGA	480
G						481

(2) INFORMATION FOR SEQ ID NO:1456:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 393 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1456:

GAATTCTGGCC	AAAGAGGCCT	ACCTCACCTT	CAAGTCCCTT	TTCTCAAGAA	TCCTCTGTT	60
TTTGCCTCT	AAAGTCTTGG	TACATCTAGG	ACCCAGGCAT	CTTGCTTCTC	AGCCACAAAG	120
AGACAGATGA	AGATGCAGAA	AGGAAATGTT	CTCCTTATGT	TTGGTCTACT	ATTGCATTAA	180
GAAGCTGCAA	CAAATTCAA	TGAGACTAGC	ACCTCTGCCA	ACACTGGATC	CAGTGTGATC	240
TCCAGTGGAG	CCAGCACAGC	ACCAACTCT	GGGTCCAGTG	TGACCTCCAG	TGGGGTCAGC	300
ACAGCCACCA	TCTCAGGTC	CACCGTGACC	TCCAATGGGG	TCAGCATAGT	CACCAACTCT	360
GAGTTCCATA	CAACCTCCAG	TGGGATCAGC	ACG			393

(2) INFORMATION FOR SEQ ID NO:1457:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 266 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1457:

GAATTCTGGCC	AAAGAGGCCT	AGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTT	TTATCTCCTT	60
CAACTCTGAC	CACCTGGAAG	TCAGCCTAAT	CTCTGCCCTC	GTGTTGATCT	TTAATTCAAC	120
ATTTAATTAC	CTATCTGGT	ATCCATATGA	ATTTGATTGT	TTTTTGGCT	TTTTTGAAAC	180
TCATAAAAGG	TATCCAAGTT	CCTGGAGGGC	ATAGGCCCA	TCTCCTCCCA	TCCACCAGTG	240
GACATTCTTT	TCCAAAAGAC	ACATGG				266

(2) INFORMATION FOR SEQ ID NO:1458:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 292 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1458:

GAATTCTGGCC	AAAGAGGCCT	AGGTTGTAGT	TACTTCAGA	GTAGATACAG	GGTTTTAGAT	60
CATTACAGTT	TAAGTTTCT	GACCAATTAA	AAAAACATAG	AGAACAAAAG	CATATTTGAC	120
CAAGCAACAA	GCTTATAATT	AATTTTATT	AGTTGATTGA	TTAATGATGT	ATTGCCCTTT	180
GCCCCATATAT	ACCCCTGTGTA	TCTATACTTG	GAAGTGTGTTA	AGGTGCCAT	TGGTGAAAA	240
CATAAGTGTC	TCTGGCCATC	AAAGTGATCT	TGTTTACAGC	AGTGCTCTCG	AG	292

(2) INFORMATION FOR SEQ ID NO:1459:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 289 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1459:

GAATTCTGGCC	AAAGAGGCCT	AGTTTTATGA	GAGGGTTTCC	ATTAAGAAGT	TAATTGAAAT	60
TCTTTATTTA	TGTAAAATGA	AATTTCCAAT	AAAATTATTT	CACACAGCAT	TTTTTCCCT	120
TAATTCATT	AGTTTTTTTA	TTTCTTGGCC	GACCCAGGCC	AGGAGCTTAG	GGAAAATGAT	180

GAGGCCTCTT TTACGCTGTA GTCCTGCAA TGCTGTGTT TATTCCCCCT CCCCTGCTCA	240
GCACTCACCC ACGACTGACA CATGGGGTAC ACACACACAC ATACTCGAG	289

(2) INFORMATION FOR SEQ ID NO:1460:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 330 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1460:

GAATTCCGCC AAAGAGGCCT ACACCTGCGT TGGAACATCT GATCCAGTGA TAGCACGTCA	60
CTAGGTGCCT TAATTAATAA AGCCAAAATA TCTTTCACCT AGCAAACTAA TCGTATTAC	120
TTTACTCTC CCATTTTAA TTAATCTTTC CTATTCATT TCACCCCTC ATCTCTTCC	180
TCTATTGGAT TATCTCAGGT ATCTAATCCA ATTCACTACT GTTTAATGAA TGTAATTGCA	240
ACCAGCTGC AATTCTAAG GTTTGTTC TTTGTTTTT TCTTTGTAG TCCATCTT	300
TGCTACACTC AAGCAGGTCT AGAATTGAG	330

(2) INFORMATION FOR SEQ ID NO:1461:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 383 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1461:

GAATTCCGCC AAAGAGGCCT AGGGACAGTG ATTATAGGAC TCCACACATG CAACTGAATC	60
TAGCATTACT GACTTTAAAT TTTTGAGCC TATCTAAAGG CCAGATGCTA TCAGCAGCTG	120
AACGGCATCT ACCAAAACCA GCTGCAAAGA TAGAAGCGGA ACAACTGGTT TGGTGGAGAG	180
ATTCGATAAC AACGAGTTGG GAAATAGGTA AAATAATAAC ATGGGGTAGA GGTTATGCTT	240
GTGTTCTCC AGGCCAAAC CAGCAGCTGA TTTGGATACC ATCAAGATAC CTGAAAACCTT	300
ATCATCAGCC AGATGCCAAG GAAGAGATTG TGGGAGGAAC CCGAGGACCC CATGTTATT	360
TTTTACCTAT TCCCCAACTC GAG	383

(2) INFORMATION FOR SEQ ID NO:1462:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 375 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1462:

GAATTCCGCC AAAGAGGCCT ACGATGACGT CACCGTCACC ACCGGCGTGA AGCGAGACAG	60
TGGTGGGGC TTCTGGACTG GATGGAGGAC CTGAAGACAT GAGGTGGAGG CACAGGTAGA	120
AGAGAAGATT CTACCATCG CTGATTCAAA CAAAGCATT TCTCCAAGTG GTTGCAGATG	180
ACATGATTTC CCAAAGTGTG AGAGCTGAAG TGTGTTCTCT GTGTATATA TACTGTGGTT	240
CCTTTATCCC TTCACTCTGTG GATAGACAGG TGCAACCGTG TGGTCCCCA CGATATGATT	300

TCATTGTGGT TTTCTGTCTG AAGAGTATCC CAGTATGTAC CTGTGGAGCA GCTTCTTAT 360
CCCTTCTTAC TCGAG 375

(2) INFORMATION FOR SEQ ID NO:1463:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 174 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1463:

GAATTGGGC GGAGACACAA ATTCAAATCA TATCAACCTG GTAAAGAATT TGGATTTAT 60
TTTGAGTGTG TTAGTGAGTA TTGATGGCT TTGAGCAGAG AAAGGATGAT TTATATGTTT 120
AAAAGAGTGC TTGCTCTT ATATGTGGAA GAGATTGTAG GAGGAGGACT CGAG 174

(2) INFORMATION FOR SEQ ID NO:1464:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 122 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1464:

GAATTCGGCC AAAGAGGCCT AGTTGGGTT TAAATTTCCA AATGTATGGC ATTTGCTTGT 60
TTTTTAAGTT GATTTCTAGT TTTATCACAT TGTGGTCAGA GAATGCTGAG AAAGAGCTCG 120
AG 122

(2) INFORMATION FOR SEQ ID NO:1465:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 315 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1465:

GAATTCGGCC AAAGAGGCCT ACTTGAGCTT TTTTCATGTG TATATATTTA TGCTTCTTT 60
CTAAAAAAA TTGAGATGGA AATTCAACATA ACAGAATTAA CTAAAGCATA CATTTCATTG 120
GTATTTACTA CATTCAACAT GTTGTGCAAT CATTACCTCT CTCCAGTTCT AAACATTTCA 180
TCACCCAAA AGGAACCCCT AAGCGGTCAC TCCCCACTCC ACTGTCTCCC ACAGCCCCTG 240
GCAACCAGCA GTCGCTTTG TGTCTCAATG GATTTACCTA CTCTTGATAG CTCTACAAAT 300
GGAACAATAC TCGAG 315

(2) INFORMATION FOR SEQ ID NO:1466:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 175 base pairs
- (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1466:

GAATTGGCC	AAAGAGGCCT	AGGTAAGAGA	AACGACCAAT	TCTACCAGTT	ATTCTACAAT	60
GTGGGTTTC	ACTGCTCTGT	TCACATGCCT	TATTCAGACT	TCTTGTGGTG	GTCAATTGCT	120
AGATGGTCTG	TTGGAATTAT	CTGCTGTCAT	ACATCCAAA	AGGTCTCACAC	GAGAG	175

(2) INFORMATION FOR SEQ ID NO:1467:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 350 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1467:

GAATTGGCC	AAAGAGGCCT	AGAAGGACAC	CTCCATCCAT	TCCACGCAGT	TGCTCAAAGC	60
AGAAATTTTC	AGTGCAAGTC	TTGATGCTGC	GCCGTCCCCC	ACTCCCTACA	TCAGAACGCA	120
TCCCTCATCT	GGACTCCAGC	GGTGGCTTCT	TGATGCTGCG	CGGTCCCCCA	CTCCCTACAT	180
CAGATGCAT	CCCGCATCCA	GACTCCAGCG	GTGGTGCCTCT	ACCTGCAGG	TGTTCCAAG	240
TCCAAGCTAC	CATACTCCCTG	CCTGAGCTAT	GACAACAGCC	TCCTCACTGA	TCTCCCTTT	300
CTTCCCTTTG	CCTCCTCCAG	CTCATTTC	ACAGTGTAGA	ATGACTCGAG		350

(2) INFORMATION FOR SEQ ID NO:1468:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 419 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1468:

GAATTGGCC	AAAGAGGCCT	ACTATACTAA	AATTCTGTGC	AAAAAGATGC	TTGAAATTAT	60
TGTAGAGACT	GAATCTTTGC	TGCTTGTTAT	AAATATTGCA	GGGCATAAAC	CTTCATTCA	120
TAGGTTCATC	AGCTTTATG	ATTGGGAGTG	ACAGGGAGGC	AGCATTGCG	TCCTTAGTCC	180
TAGGTGCGT	CTAGAATTAA	CCCTGTATTT	AAGTCACTTT	GGAATAGAAG	TTTTTTTCT	240
CGGACAGGAT	ACATATATA	TTTTAAATC	TCCTCCATA	GTCGTAGTGC	AGAGATATAA	300
ATAGAAGTAC	AGTAAGAGA	TGTCTTGTGC	CTTCAAAACC	TTCTAAAGT	TTGTGTGCTG	360
CTTTAACTTT	ATTCACATAG	AGCAGTCTGT	TTTATTACTC	AGGATATGGG	CCACTCGAG	419

(2) INFORMATION FOR SEQ ID NO:1469:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 612 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1469:

GAATTGGCC	AAAGAGCGAT	GGGGACAAAG	GCGCAACTG	AGAGGAAACT	GTTGTGCCTC	60
TTCATATTGG	CGATCCTGTT	GTGCTCCCTG	GCATTGGCA	GTGTTACAGT	GCACTCTTCT	120
GAACCTGAAG	TCAGAATTCC	TGAGAATAAT	CCTGTGAAGT	TGCTCTGTGC	CTACTCGGGC	180
TTTTCTTCTC	CCCGTGTGGA	GTGGAAGTTT	GACCAAGGAG	ACACCACAG	ACTCGTTGC	240
TATAATAACA	AGATCACACG	TTCCTATGAC	GACCGGGTGA	CCTCTTGCC	AACTGGTATC	300
ACCTTCAAGT	CCGTGACACG	GGAGAGACACT	GGGACATACA	CTTGTATGGT	CTCTGAGGAA	360
GGCGGCAACA	GCTATGGGA	GGTCAAGGTC	AAGCTCATCG	TGCTTGCC	TCCATCCAAG	420
CCTACAGTTA	ACATCCCCTC	CTCTGCCACC	ATTGGGAACC	GGGCAGTGCT	GACATGCTCA	480
GAACAAGATG	GTTCcccACC	TTCTGAATAC	ACCTGGTTCA	AAGATGGGAT	AGTGATGCCT	540
ACGAATCCC	AAAGCACCCG	TGCCTTCAGC	AACTCTTCCT	ATGTCTGAA	TCCCACAAACA	600
GGCGCACTCG	AG					612

(2) INFORMATION FOR SEQ ID NO:1470:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 220 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1470:

GAAAAGCAA	GACTTTAACT	TTCATTACAT	ATCTAATAGT	TGATATCACC	AGTTACCAATT	60
TTGAATTTG	TATAGTACTA	GGTTAGAACAA	TTGCTTAATC	CTTTTAAAAAA	AAATGCATT	120
ACGTAGAACT	CGAGCAGGAT	GTGTTGGCCCC	GATGTTTTT	CTTCATACTC	TTCTGTCGCC	180
TCCTCCCATT	TCTGCACAGT	TCTCACCCAC	TACTCTCGAG			220

(2) INFORMATION FOR SEQ ID NO:1471:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 349 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1471:

GAATTGGCC	AAAGAGGCCT	AGGGCATCAT	GCAGACACAT	CTGTTAAAGC	AGGAAAAAAA	60
AAACCATGTG	GAAGATTAAG	CTAGGCAGAG	TGCCTGAAA	GCCCTCTGCA	ATAAGTTGAG	120
CTGGAAAAAC	CTCCATATCT	AAAGATGCTT	TAATCATCTC	AAGAACACCA	ACAAACATTTT	180
CTATTATAAT	ATAACTATGA	TAGATGTGAA	TCTACCTCTT	GGATTAAGGC	AATAATT	240
TAGCTATCAA	ATTTTCACAG	ACACCATT	CACTACTCTG	AGTTGCATCT	CTAACAGCT	300
TCTTCTAGCCT	CTGCCTACAG	ATTTCAAGTGA	CAAAGCCATT	CAGCTCGAG		349

(2) INFORMATION FOR SEQ ID NO:1472:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 310 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1472:

GAATTGGCC	AAAGAGGCCT	ACAACAAACC	ATTCTTCAGC	ACCTTGCAA	AAACATCTAT	60
GT	TTGTTTG	TACCTTTGG	GT	TTTATTAT	TTGGAAGCCA	120
AGGACTTCGC	CGAAAGCATG	CTGTTTTT	TG	CAGATGCT	GAAGGTTACT	180
CACAAACAGAT	ACAACATATGA	ATAGTTCTT	GAGTGAACCT	CTGTATGTG	CTGTGAAATT	240
CCATGATCTT	CCAAGTGAAA	AACCTGAGAG	CACAAACATT	GATACTGAAA	AAACCCCGC	300
GGTACTCGAG						310

(2) INFORMATION FOR SEQ ID NO:1473:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 297 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1473:

GAATTGGCC	TTCATGGCCT	ACAACTTAA	GATTAGCTAC	TTTGAATAAT	CTCAGTAGGT	60
TCTGGGCC	AGGAGCTGCC	CCTCTGGTC	TGAGATTTGG	CCATGGGTG	ATTAGGACAG	120
GTATAGTGGC	ACAGAGTGTAA	AAAACCCCAT	AATGGTGTGG	ATTCTGGATT	GCTTAGTTG	180
CATTGACAA	GTGCATGCCT	GGGAGGAGGA	CTCCCTTAG	TAAAGAGGAT	GGGAGGCAAG	240
AAGAGAGGCC	AGAGGCCAAG	ACAAGGTAAC	TTAGGCATAG	CATCAGGTTG	TCTCGAG	297

(2) INFORMATION FOR SEQ ID NO:1474:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 510 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1474:

GAATTGGCC	TTCATGGCCT	AAAAAAAGTAT	GCAACACTCA	GT	TTTATTTAA	TACTTACAAG	60
GGGAAATCAT	TAGAAACACA	AAAAACCACA	GTTGCAGCTC	GACATGGATT	ACAGAGTCTT	120	
GGAAAAGTCG	GTATTCACG	GGCGTATGCC	CCACCTGCTA	ACCTCCAAG	TCTTAAAGCA	180	
GAAAACAAAG	GCAATGATCC	TAATGTAAAC	ATTGTACCTA	AAGATGGCAC	AGGGTGGCCA	240	
TCAAACAAAG	AGTAACATGA	AGAAGAAAAA	ACACCAAG	TGCCACCGAC	ACAGCCAAA	300	
CCTGGGGTTG	CAGCTCCCC	AGAAGTAGCA	CCTGCTCCC	AATCATGGC	CAGTAACAAG	360	
CAAGGTGGGC	AAGGAGATGG	AATCCAAGTG	AATAGTCAGT	TTCAGCAAGA	ATTTCCAGC	420	
CTGCAGGAG	CTGGGGATCA	GGAAAAAAA	GAAAGGAAA	CAAATGATGA	CAACTATGGA	480	
CCTGGACCCA	GTTTACGTCC	ACCACTCGAG				510	

(2) INFORMATION FOR SEQ ID NO:1475:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 400 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1475:

GAATTGGCC	TTCATGGCCT	AATCCATTCA	TTTGATGGAC	ATTTCTAAG	TA	CTGTGAG	60
CCAGGTGCTG	CCATTTCAAA	GTCTCTTCTT	ACCAAGCTCC	TCAGTGGCTA	GAC	ATTTCA	120
CGTGGCCAGA	AAAGCCCGAC	TCTTGCTGGG	CGTCCTGGA	CAAGTTGCCT	TC	CTCCCTGT	180
AGCTTGGCGC	TCCCCATCTG	TATAGTGGAG	ACCCCTGGCC	CCCCTCTGTA	CGG	AAAGGGCC	240
GATGCGAACG	TGCAAGTTAAA	AAAGGCTCAC	ATGCTCTAG	CCTTGTGCAG	TC	AGGAGGGG	300
AGACCAGGAC	AGTTGGAAAT	TATGATTGCA	AATGGCTTTG	CATTTAGAT	CATT	CGTGTG	360
TGTGGATCG	AGAACACGAC	AGATTCCCTG	GCATCTCGAG				400

(2) INFORMATION FOR SEQ ID NO:1476:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 465 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1476:

GAATTGGCC	TTCATGGCCT	ACCACATTTC	GTCAGCAGAG	AGCCTTTAA	ACT	TGGATT	60
CAACTTCCTG	TTGTCTAAAC	GGAACCCCTCC	GAACGTAGGA	CTTATAGGGG	AAG	CTGCTGT	120
GCATGTCAAA	AAAACTACTA	ATCAGAATGA	GCTTTGTCA	CCAGAGCCAG	AACT	GCTGCA	180
GAAATTTTTA	TAATTTGCA	ACTTCTTTTT	TTACAAGGAA	CTTTTGTGCT	ACTACACATC		240
AGGACTTTTG	AAACATCCAA	AAATCCATT	TAATAAGTAT	GAGCATGTGT	CTGAGTGGAC		300
AAGAAAGTGA	AACCATCCAT	GCTACATTGG	ATAATTTTC	CTCCCCCAGA	CTGGACAGGG		360
AATCTCAGCT	TTCAAAACAG	AGTAACCTGG	CTCCACTTAC	AAAGCTGCAC	AGGCATTAAA		420
GATGGTCTG	CCTTGTAG	GCAGATTGG	AGGGAGAGC	TCGAG			465

(2) INFORMATION FOR SEQ ID NO:1477:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 377 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1477:

GAATTGGCC	AAAGAGGCCT	ACATGTAGCT	ATCCTAACGAC	GTATTTTATT	TTGAGCCACT	60
TTCTCAGAGG	GAATTGGGTG	GGTGTGGTCC	TAAGAACACC	TAGAAATAG	GGGTGAAACC	120
TTTATGGGGC	CAGGGGAGCC	ATGGCAGAGG	GTGGAGTGGG	GGATAGAAGC	CTTCAGACTC	180
CTCCGGCCCA	GCCACTCTGC	ACCTGGGGCC	TTTCAGCTGT	TAAAATGAAA	AGCCAATTAT	240
CTTCTGTAAA	TGAGGGAAAA	AAAGAAGGAA	AAAAGTGTG	TATTATGTAT	GCTGATATGC	300
ATAACACTTC	AAATAAAAGG	ATATATAAGC	ACTTGACAAA	TTGAGGGAGA	AGGAGGGAG	360
AGTGTGGGC	GCTCGAG					377

(2) INFORMATION FOR SEQ ID NO:1478:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 280 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1478:

GAATTCTGGCC	AAAGAGGCCT	AGAGATTCAG	TTTATTCTAT	ACTCAGACTT	TGGTATCCCC	60
TTAGATGCC	ATGTAAAAAA	TGAGAAAGTT	GGTGCACATGG	TATGCCATT	TATTGCTTT	120
TGTTTGT	CCATTGCTAC	TTTCACTCAA	ATTCCAAGGA	AATCACAGAA	GAAGGGCTTT	180
TGGTGACCTA	AAAGTAGAAA	TGAAAGCAAC	AAAATGCATT	CTGTCCAGCA	GTACACTGAA	240
GACAAAAAAAT	GTAGTTGAAA	AGTCTCAGGG	AGCGCTCCAG			280

(2) INFORMATION FOR SEQ ID NO:1479:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 491 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1479:

GAATTCTGGCC	AAAGAGGCCT	AATTTGCTTT	GCCCAGTAGT	TGGAAAGTGA	ACTCGACTCG	60
TGATGGTTCT	CCTGTCACCT	TGTTTGATAG	CAGCCGCTCT	GGTAGAGGTT	AGGACTTCAG	120
CTGATGGACA	AGCTGGTAAT	GAAGAAATGG	TGCAAATAGA	TTTACCAATA	AAGAGATATA	180
GAGAGTATGA	GCTGGTGA	CCAGTCAGCA	CAAATCTAGA	AGGACCTAT	CTCTCCCATA	240
CTCTTTCTGC	GAGTCACAAA	AAGAGGTCAG	CGAGGGACGT	GTCTTCCAAC	CCTGAGCAGT	300
TGTTCTTTAA	CATCACGGCA	TTTGGAAAAG	ATTTTCATCT	GCGACTAAAG	CCCAACACTC	360
AACTAGTAGC	TCTCTGGGCT	GTTGTGGAGT	GGCATGAGAC	ATCTCTGGTG	CCTGGGAATA	420
TAACCGATCC	CATTAACAAAC	CATCAACCAG	GAAGTGCTAC	GTATAGAATC	CGGAAAACAG	480
AGCCACTCGA	G					491

(2) INFORMATION FOR SEQ ID NO:1480:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 523 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1480:

GAATTCTGGCC	AAAGAGGCCT	AATTCAATTCA	GTCGTCAATGA	GTTGAGTGCT	TACTACATGC	60
AAGGCAC	TCT	GCTAGTTATA	TTCTAATAAT	GCAGAGATAA	TTAGACATGG	120
CAAGAAGCTC	ACAAAAGTAT	TCAGGAAATA	ATGCAGACTA	GTGATTTC	TATAAAATTA	180
TTTTTGAGG	AAGCAGACAC	AGCAGTATT	ACCTGTAGGT	GGAGCAAGTA	ATAAGCCATG	240
CTGTGCAATA	TATACATAAA	GCTTCTGCTT	CTCATGGAA	TTTGTGTTACA	GTGCTTGGAA	300
TGAGAAGGGG	AAGGAAAGAA	TTAACAAATG	CCAAGATTC	TGGAGCAGAT	TGTACAGCTG	360
TGACTTTGGA	AAACAGAAAG	TAAGACCCCTC	AGAAAACCAA	TGAAGTCTAA	GAGAAATAAA	420
ATTTAGTGG	CAGGTATGAA	AAGTGTAAATT	GCGCTTA	ACT ACCAGATGGA	GACCTTCAGA	480
ATGGGCTATC	CTTAGAGTCT	AGTACATCAA	GAGACCCCTC	GAG		523

(2) INFORMATION FOR SEQ ID NO:1481:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 104 base pairs
- (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1481:

GAATTCGGCC AAAGAGGCCT AAAAAAAA AAAAAAGAAG ATATAAGCTA CTAGTATCAA	60
AAATGAAAGA GGGGCTGTTT CTACTGATCC TGCAGACACT CGAG	104

(2) INFORMATION FOR SEQ ID NO:1482:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 337 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1482:

GAATTCGGCC AAAGAGGCCT AAACTGAAC AAGAGATGCA CCTGAGAAAA CCTGGGCTTG	60
CATGGGTTTG GCAATACATC AGGTGTTAAC TAAGGACCTT GAAAGGCATG CAGCTGAGTT	120
ACAAGCCCAG GAAGGATTGT CTAATGATGG AGAAACAATG GTAAATGTGC CACATATTCA	180
TGCAAGGTGA GGAATTGAT GTATTAAGT ATTACTTAGA ATGGGACATT GAAGGCCATT	240
TAAGAATGAA NACGCTCATT TTATAAAAAT GAGGAATCA GTAAAAAGGA CATGAGTTCC	300
TTGCCATCTC ATTGATCATC ACACTGAACA ACTCGAG	337

(2) INFORMATION FOR SEQ ID NO:1483:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 168 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1483:

CGATTGAATT CTAGACCTGC CTCGAGAGCG CGCTGTTGAA TACCCAGTAT GATGGTCCTT	60
AGCCTTCTTA GACCTTTCCT GTACCACTAC CTCTATGCC TTTGCCAAGT CCAAGTGTTC	120
ACCAAGAAATG GAACTGATGC CAGAAAGACT ACAGCAACAA TACTCGAG	168

(2) INFORMATION FOR SEQ ID NO:1484:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 478 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1484:

GAATTCGGCC AAAGAGGCCT AGCAACCGCG CCTGGCTGCC TTTTCATTTT TAAAAACGTC	60
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AGTGTGGCTC	CCACACAAACA	TGCAAACCT	CCTGCCGAGC	TGCGACCTC	GCCTGTCACG	120
GAACCTGGTG	CTGAGTGTGG	TGAGAGTGA	TCCGTGAGCA	CGTGGCGCAC	TGTGGCCTC	180
TTTCATGTTT	AGCTTTGAT	TGTGCTTATT	GTCCATTGTT	ATTTCTTCTT	CTAAGTGTCT	240
GTTCAGACT	TTTCCGTCTT	GGCTGGAGGT	GGGAGGTGCC	TGCTCCGTG	TTTCTGGCA	300
TCTTCTCTG	CTGTCTTTGT	GTGTCTGCAC	TCAGGGAGTT	TCCCTGGGGT	GTGTGCCTAG	360
AGAGGTGCTG	GTTGTACATT	TCAACGTAGG	GACAGATTCC	CAGCGTGTCT	TTAAAGGAGC	420
TGTGCCGCTG	TGTGCTCACT	TGACTCGCCG	GCGTCTTGT	TTCTCCAGGC	CTCTCGAG	478

(2) INFORMATION FOR SEQ ID NO:1485:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 307 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1485:

GAATTGGCC	AAAGAGGCCT	ACACACTGCA	AGAACAGAGC	CAAGAACCTA	CCATGTACCC	60
TTTACTTGG	TTTATCATTA	CTGTTTGCA	CATTGCTT	ATCATTCTTG	TTATATTTCAC	120
ATATAGTCC	TTCCCTTG	ATTATTTGAG	AAACAACTG	AGAACTCACA	CCTCTTCCC	180
CGAAGAACTA	GGCATTAGCA	CATTACAAGA	ATACGATGAT	AGAGATCAGA	AGTAAATGC	240
TGATGAGATA	TTCCGTCTA	ATCCACGAAC	CTTATTTCAT	TGTCATCAGT	TGTCCAACA	300
GCTCGAG						307

(2) INFORMATION FOR SEQ ID NO:1486:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 579 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1486:

GAATTGGCC	AAAGATTGCT	GTCCCTCAAC	GTGTCATTA	TGAAGTTATT	AGTAATACTT	60
TTGTTTCTG	GACTTATAAC	TGGTTTAGA	AGTGACTCTT	CCTCTAGTTT	GCCACCTAAG	120
TTACTACTAG	TATCCTTGA	TGGCTTCAGA	GCTGATTATC	TGAAGAACTA	TGAATTTCTC	180
CATCTCCAGA	ATTTTATCAA	AGAAAGGTGTT	TTGGTAGAGC	ATGTTAAAAA	TCTTTTTATC	240
ACAAAAACAT	TTCCAAACCA	CTACAGTATT	GTGACAGGCT	TGTATGAAGA	AAGCCATGGC	300
ATTGTGGCTA	ATTCCATGTA	TGATGCAGTC	ACAAAGAAC	ACTTTCTGA	CTCTAATGAC	360
AAGGATCCTT	TTGGTGGAA	TGAGGCAGTA	CCTATTTGGG	TGACCAATCA	GCTTCAGGAA	420
AACAGATCAA	GTGCTGCTGC	TATGTGGCCT	GGTACTGATG	TACCCATTCA	GGATACCATC	480
TCTTCTATT	TTATGAATT	CAACTCCTCA	GTGTCAATTG	AGGAAAGACT	AAATAATATT	540
ACTATGTGGC	AAACAAATTC	GAACCCACCA	GTCCCTCGAG			579

(2) INFORMATION FOR SEQ ID NO:1487:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 352 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1487:

GAATTCTGGCC	AAAGAGGCCT	AGATTGAATT	CTAGACCTGC	CTCGAGAGTC	ACGCTTAGTT	60
TGCCATTGTC	CCAGCTAGTG	ATATTGCTGA	TGTTTTTGT	GGGTGTTCTT	TTAGCAAAAC	120
GTGAATGAAT	GCATGTTTAC	AGGGATGCTC	TGGACTGGAG	GATGGTGAAG	TCCATCGGG	180
TTGTCCTCT	CCCTGAATGT	CCTTTGTAC	CCAGGGCATC	TTTCCAATAT	GAATTATTAA	240
GCCTTAACCT	ACATTTTGC	ATAACTTATA	ACTCTCCATT	ATATATTGG	TTACATTTCT	300
TAGATGTTT	CAACATTCTT	TATTAAGTT	ATTTATCAG	CATCCGCTCG	AG	352

(2) INFORMATION FOR SEQ ID NO:1488:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 422 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1488:

GAATTCTGGCC	AAAGAGGCCT	ACAAATGGGC	AGAAGTGAAA	CAGTCTTGTG	AGATAACCTGT	60
TTTTAAAC	TCCATTTTAG	AAAAGGAATT	AACTAGGACT	TTATATCTCT	TCGTTCAATA	120
TAATTTAAA	GAAGAATTGT	TGAAAAGTAG	ATATGTTTG	CCATTGCTG	AGAATATTTT	180
GTACGTTAGC	TTGTCTCTTA	CAAAAACCTAA	ATGTGTTCTC	ACTTCTGATA	ATGTATGTCA	240
ATTTAAATT	TGGAATGCC	AAAGATAAGTT	GCTCTGCATC	TGTCTTCAT	ATGGCTCCGT	300
AGCACAGCTC	AGTGACTGGC	CCTTGCAGTG	CTTCTACCGT	TGTAATGGGT	AAAACCAGGG	360
GAAACTGCCT	TGCTCTTGAG	CTTGAGCAGG	TTAATCAAA	GGATAGAGCT	TCCACTCTCG	420
AG						422

(2) INFORMATION FOR SEQ ID NO:1489:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 293 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1489:

GAATTCTGGCC	AAAGAGGCCT	AGAGAAAGAG	AGAAAGAAAG	GAGGGAAGGA	AAGGAAGGAA	60
GGAAGGAAAG	AAGGAAAGAA	GGAAAGAGAG	GAGACTGAAG	GGCCAAGGGAG	GGCATACAAAT	120
GGAAAGATGAG	ACCTGTGCTC	CCGGGAGGCT	TGTACTCATC	AAGAAAGAAA	GGAGAAAGAG	180
GGGGAAAGAAA	AGAAAAAAAGA	AAGAGAGAT	GAAGGAATAA	AGGAAAAAAA	GTAGAAAGGA	240
AAGGAGAGAA	AAGAAGGAGA	AGGGAGAGAA	GAAAGTAGGA	AGGAGAACTC	GAG	293

(2) INFORMATION FOR SEQ ID NO:1490:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 250 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1490:

GAATTGGCC	AAAGAGGCCT	AGTGCAACTA	CAGATAAGTA	AACTTCGACT	GGGTTTAGTA	60
ACACCTGTCT	TTAATATTG	TCAGTGTACC	TACATTGATA	ACATTGACCT	TTGGAAAAAT	120
TGGACTTGT	TTGTGTTATT	TCTCTAGCAT	ATTAGTCCTA	AAAAAGTGTG	AGTAATAGGA	180
GATGGAGAGG	TGTTTGTGA	TTGTCTTCT	GTGTTCCCA	CAGCATTCAA	GTTCGTCG	240
TACGCTCGAG						250

(2) INFORMATION FOR SEQ ID NO:1491:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 435 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1491:

GAATTGGCC	TTCATGGCCT	AATTCTTAGA	AATAAGCCA	CTATCATGCA	GGTTATTTAC	60
AAGAAAAAC	ATGGAGTCAG	CCCAGTAGAG	AAACGTTCAA	ATAGTGTGGC	TCCTGCTCTG	120
CCACGTTCTG	TTTATGACTT	TGGATATTTT	ATTTATCCTT	TCTGGGGTAG	TTTTCAACT	180
TTAAGGTCT	AATAAACTTT	TAGATTTTAT	GACCTGTCT	CTTTAGGCCCT	GTAAGATTAA	240
AATATTATAA	AGAACCTGAT	TTCAAAGACA	CTGGTAAACT	TGGACAACTA	AACAAGTCCA	300
AGTATGGTAC	TTATTTGTGT	GTGTGCATAT	ATTAACCTA	TGCATATGCT	GTTCACAC	360
CTATTTAAC	TGTTTGAA	AAACGTATAT	ATCAGTTTTT	GGAAAACAGA	AGAAGATTAA	420
AAACGGCTAC	TCGAG					435

(2) INFORMATION FOR SEQ ID NO:1492:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 360 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1492:

GCGATTGAAT	ACATGTTCAA	TAAGGACAAT	GGACAGGCCAC	CTTTTACCAT	CACTCCTGTG	60
TTTCAGATT	TTCCAGTCCA	TGGGATGGAG	CCCATGAACA	ATGCCACCAA	AGGCTGTGAC	120
GAGTCTGTGG	ATGAGGTCAC	AGCACCACATGT	AGCTGCCAAG	ACTGCTCTAT	TGTCTGTGGC	180
CCCAAGCCCC	AGCCCCCACC	TCCTCCTGCT	CCCTGGAGGA	TCCTTGGCTT	GGACGCCATG	240
TATGTCATCA	TGTGGATCAC	CTACATGGCG	TTTTTGGCTG	TGTTTTTG	AGCATTTC	300
GCAGTGTGGT	GCTACAGAAA	ACGGTATTTT	GTCTCCGAGT	ACACTCCCAT	CGATCTCGAG	360

(2) INFORMATION FOR SEQ ID NO:1493:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 271 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1493:

GAATTCTGGCC TTCATGGCCT AAGCAGACAA TATAGTAGTA ATTTAAATTG TTGTTTCCTG	60
ACTTTCTGTA GTCCCTAAAC AAACAACAAA AAATCCTAGT AATCTTAAAC TTTTACATTA	120
ATAGAGATCC AAGAGAAAAT AAGCCATTGT TCACCATTGT GGACCCAAAT AAATCATAGA	180
CATGGTATTA AGAAGCCCTT TTCAAGTCTGG TTGCAGTATT ATTTCTTAC CTTTCTTTT	240
CCTGTTCCCT GCTGTATGCC CACAGCTCGA G	271

(2) INFORMATION FOR SEQ ID NO:1494:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 310 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1494:

GAATTCTGGCC TTCATGGCCT AATGGGTCAG AAATTTGGGC CTGGCTAAGT GGATCCTCCA	60
CCCCAGGGTC TCTCACAAGG CTGAATCAA AGGGCTGACT AGGACTGGGA ATCTCATTTG	120
AAACTTAGAT TGGGGAAAGGA TCTGCTTCCA AGCTCACTCA GTAGTTACTG GCAGGATTAG	180
GTTTCTCCAA GGTCGTTGGA CTAAGGGTCT CAGTTCTCA CTGACAGTT GCCTGAGGCT	240
GCCTTCAGTT TCTTGCCATG TGGGCCTCCC CAGCATAACT GTTTACTTCA TCAAAACAAA	300
CAAACTCGAG	310

(2) INFORMATION FOR SEQ ID NO:1495:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 138 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1495:

GAATTCTGGCC AAAGAGGGCT ACGTCGATTG AATTCTAGAC CTGCCTCAGC TCTAATTATG	60
GTTCATGTTA GATTGCTGC CCTTCCTCTT CCTCTTCTCT TTTGGGAAA GATAATAGCA	120
CTTAATAACG CCCTCGAG	138

(2) INFORMATION FOR SEQ ID NO:1496:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 102 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1496:

GAATTCTGGCC AAAGAGGGCT ACAAAATTGT TCCTTTACG TACGACAGAC TTCTGAAATG	60
GTAGTAGTAG TAGTGCCTT TTTTTCTC TTTTTAGCCC AG	102

(2) INFORMATION FOR SEQ ID NO:1497:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 483 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1497:

GAATTGGGCC	AAAGAGGCCT	ATTTGTTCT	TTGTACTGCC	TAACTTTGA	AAGACCTGNA	60
ANCGGTANCA	TGAAAACATT	TTTAGAGAGA	ATTACCAGGC	ATTTTGTTA	GAATGAGTGT	120
TTAATGGAAC	AGTCAGAGA	ACTCATAAA	GATGTTTATT	AAAACGCGCA	GACCTGCTCC	180
AATTAAGGGC	CCAGTCAGTG	GTGTTAACAG	TGAAGGGACT	GTTCCAGAGG	CGTCTGCAC	240
GGGACGCCCA	CCCCAAATAC	AAATGGTTTG	CCAGTAGCTC	ACAAATGAAAC	CCCATTGCCT	300
TGCACTTAAG	CTTCCTGAAG	CACATACATA	TCCTGCTTTG	TGCTTTCCGC	CCTATAGTAA	360
ACGCAAACCA	ATGGAGATGT	GAAGCAATCT	AATAGCAACA	AGGCAAACCT	CTACTTCCTC	420
TAAAGAGGAT	TGCATCCTCT	TGCTATCTT	GCGATGCTC	TCCTACAGAC	CCATCCGCTC	480
GAG						483

(2) INFORMATION FOR SEQ ID NO:1498:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 144 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1498:

GAATTGGGCC	AAAGAGGCCT	AAAATTCAA	TAGGCTATAG	AGTTTCCAT	GAGAGTGTGT	60
GTGTGTGTGT	GTGTGTGTGT	GTGTAAAGAA	CTCTTACATT	TCAGTGAGAA	AATATTTCA	120
TTGAAAGGAA						144
ACACAGAACT CGAG						

(2) INFORMATION FOR SEQ ID NO:1499:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 418 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1499:

GAATTGGGCC	AAAGAGGCCT	AAAATAACTG	TCCAATTAAC	TGAACACTGA	GGTAGCTGGG	60
TACAGACTTT	AGCGGCTACA	TTTGACAAAC	ATTGCAATT	CAAGCAGCAA	CACAAACCAA	120
CCTTGGGATG	GGGATAGAAA	TCTTTCTT	CTTCNTTCTT	GGGGTTTGA	GACAGAGTCT	180
CGCTCTGTCA	CCCAGGCCGG	AGTGCAGTGG	CGCAATCTCC	GCTCACTGCA	AACTCCACCT	240
CCTGGGTTCA	AGTGATCCTC	CTGCCTCAGC	CTCCCAAGTA	GCTTGGATT	TGGGTGCCCA	300
CCACCATGCC	TGGCTAATTT	TCTGTATGTT	GATAGAAACG	GTGTTTCACC	CTGTTGACCA	360
GGCTGGCCTT	GAGCTCCTGA	CTTCAGGTGA	TCCACCTGCC	TCAGCCCCCCC	GACTCGAG	418

(2) INFORMATION FOR SEQ ID NO:1500:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 337 base pairs

(B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1500:

GAATTGGCC	AAAGAGGCCT	ACAAAGACCA	AGGTATCACA	TTCTGCCATT	AGCTGCTACC	60
TCTCCCTCC	CCATTTTCA	ACAGATTGAG	CCCACCTTTT	GTGTCCTCCT	CTGCTCTTAA	120
GCTGTTCTC	ATCGTGGGTG	CTCAGCACT	TGTCTGCTCT	CACTCTAGTT	TCTATTTGCT	180
TCCCTGAAAT	TAGCCTTAA	CTATGCCAG	ACAAGCCAGA	GCCTTGCCCTA	AACTTCTAAT	240
TCCTCTGTC	TTCTTAGTGT	ATCCTTCTG	CCTGCTGCC	TGCCTGCCCTT	CCTGCCCTGCT	300
TGCTGCCTT	ACTGACCCCTT	TGCCCCACGC	TCTCGAG			337

(2) INFORMATION FOR SEQ ID NO:1501:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 105 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1501:

GAATTGGCC	AAAGAGGCCT	AAACCGTCGA	TTGAATTCTA	GACCAGCCTC	ATCTCCTGTT	60
CCTCTCTCCC	TCCCAACTAT	GTTGGCCTCC	CTGCTGCTCC	TCGAG		105

(2) INFORMATION FOR SEQ ID NO:1502:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 701 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1502:

GAATTGGCC	AAAGAGGCCT	ACTGTGAACC	AAAAACTCCT	ATAAAAGAAAA	GTAAAGTCTT	60
AAAACAAAC	AAATACACAG	CAACAATCTT	ATTTTCCCCA	GCCTGTCTTA	TGTTAGGGTG	120
CAGATGTGAT	TTCTGTGTGG	CTAATCAGAT	GCCCTTGTGT	GAGAGACTGA	TTTGAACAGA	180
GGCAGGGGCA	TCCATCTTTC	TAGTGTAGT	CACAGCAGAA	GCAGTGAGGT	CCTGGTGTCT	240
GTGCGTCAG	TGGTGGCTTT	TGATACAGGA	GTTCCTGTAT	GGCAGTAGCT	TCTTGTGGG	300
TTCAGTTCTG	TTGTGTGGTT	CTGCAAGTTC	AGCTTAGAGT	CTGTTCTTC	AGCTGTTCA	360
ATGACCCCTCT	GAGCTGTCTA	CCATGAAAAA	TTCTATCCTG	CTTACACTAA	TTAGAGCCAA	420
TCCTGTTATT	TACAAATGAA	TATCCTGACC	AGTAATGAAG	GTCTAGACTT	AACTGTAATA	480
TTTTATGACT	AAATATTGTTG	GCATATGTGA	AAACTTTTG	TTTATTCTAA	ACTTTTTGT	540
TGTTGTTGTA	AAATAAAACA	TTTATGAAAA	GCACACCAAA	AAGGATAACA	AATGAGAGTA	600
ATGCAACATA	CAGGCACCAAG	CAACTCAGGC	CAGGGAGATG	ATATATGAGC	ATCCCCAATC	660
TCCCCCTTAC	ACTCCCTCAA	ATAACTCAAT	CAAGACTCGA	G		701

(2) INFORMATION FOR SEQ ID NO:1503:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 257 base pairs

(B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1503:

GAATTCTGGCC TTCA	GGCT AGGAACTAGG	TGACTTTGGG	GCTCATCTCA	CAAGTTTCCT	60
TACACTT	AGG GATCAGTCTT	TTGCTTCTG	TTGCTCTG	CCTGAAAGTA	120
TGTACTGTTT	TATATATCCA	CCACAGCATG	AGTTAAACCA	AAGTCTGGAT	180
CCAGATTTTT	TTTTAACAAA	TTTATTAAATC	AATACATT	CAGCAGACTG	240
ATGGGGGAGA	ACTCGAG			ACAGTTGTTT	257

(2) INFORMATION FOR SEQ ID NO:1504:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 277 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1504:

GAATTCTGGCC TTCA	GGGGACCTT GGGAGAATGT	AATCCCTGCC	CCTAGTCTCA	60
GT	CCACGGAAGA	GGGGTGAAGA	TGGTCCCTAC	120
TTTTTTTTT	AAAAAAA	AAAGTACGTT	ATGTTTCAG	180
TTCTT	ATGACTTGAA	ATAATTGCCA	TGGTCCCTAA	240
ATGATATAGC	TCAGTATCTA	AGCAGTGGAT	CCTCGAG	277

(2) INFORMATION FOR SEQ ID NO:1505:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 341 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1505:

GAATTCTGGCC TTCA	GGCT AGACCTGCCT	CGAGCCTCCC	AAGCTGCTGG	TATTACAGGC	60
GT	GAACCACT	GCACCTGGCC	TAATACGATA	TTCTTACAAT	120
AATGGTGGCA	GGGAAGCTGA	CATTTAAGA	TTCACTTCC	TTGTTAGTTAT	180
TCTTACTGTT	AGAATAAGTG	GTAACTTGCC	AAGGTACAT	TGCTAGATGT	240
ATTAGAAATC	AGGTCTAGCC	AAGGCCATCA	CACTTCTCAG	CAGAGCAGAA	300
GT	TTGAACACC	TATTGTGTT	TGGCCCTCGA	G	341

(2) INFORMATION FOR SEQ ID NO:1506:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 270 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: double
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1506:

GAATTCTGGCC	TTCATGGCCT	AGGCATTTG	TCTCTAGAAT	TACCCACCCG	TTCCTCGGCT	60
CTACGGTCT	CCATGCC	CCC	TCCAGTTGG	GGGTCTAAC	CGAACAGGAG	120
GACCAGGAGG	TGTCTGGCA	CAAAGGTTCG	GGGGTCTCCC	TGGCAAGGGG	TCCCAGGGCC	180
TGGAGCCCGA	GGCCCAGCCA	AAAGCACACA	GCATCAAAC	ATGTTTTAG	TGGGAAGCTC	240
CAGGCCCTGC	CCCTCCCCGG	GGGCCTCGAG				270

(2) INFORMATION FOR SEQ ID NO:1507:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 462 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1507:

GAATTCTGGCC	TTCATGGCCT	AGAGCAGGAA	GATTGTGTA	GTGCTGGGT	TTGGGGGTGC	60
CCAAGTGGG	AACCAGTGG	GGGAGAGAGA	GGTAGGAGGT	AGATGGATGG	AGATCAAAGG	120
CCAGGCCCTG	GGCCAAGGGG	GCTGCTAAC	CTTCAACCT	GTGTTAGCCT	GTACACTCAC	180
CAGGCCAGGC	TCAGCAGGCG	GGCTGTTAAC	CTCCTGGCAG	CRAATGGTCC	AGAATGTGCC	240
CTCGCTGAG	CCCAAGCTGC	TCCAGAAGGG	GGACACAGA	GGCTGGAGCT	ATGCATGCAC	300
AGTGTCTTCT	CCCAACCTTG	CTTCTGAGAA	AAGTGTCCCT	CGCAGGGCCC	TGGAGGAGGG	360
AGCTAGGGAC	CAGCAGAAGG	GCCTAGGTTT	CTGTAGCATC	ATTTTAGCC	CTGGCTGAAT	420
CTGGGAAGCA	CCTGGTGGCT	TTAACATTCC	CGTTAGCTCG	AG		462

(2) INFORMATION FOR SEQ ID NO:1508:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 694 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1508:

GAATTCTGGCC	TTCATGGCCT	AGTCACAATC	CACTTAAAGA	AGTTTGGTTA	TATTTAGTG	60
AAAATTTCT	TCCAGAGTAG	GTTTTTTTTC	GTGGGGTGGG	GGGTAACTTT	ACTACAAATTA	120
GTAAAGTATGG	TGCAAGATT	CATGCAAATG	AGGAGTGC	GCAGTGTGAT	AATTAAACAA	180
TATTTAAACA	AAAACAAAAAA	AAATGAATGC	ACAAACTTGC	TGCTGCTTAG	ATCACTGCG	240
CTTCTAGGAC	CCGGTTTCTT	TTACTGATTT	AAAAACAAA	CAAAAAAAA	TAAAAAAAGTT	300
GTGCTGAAA	TGAATCTTGT	TTTTTTTAT	AAAGTAGCCG	CTGGTTACTG	TGTCTGTAA	360
AATACAGACA	CTTGACCCCT	GGTGTAGCTT	CTGTTCAACT	TTATATCACG	GGAATGGATG	420
GGTCTGATTT	CTTGGCCCTC	TTCTTGAATT	GGCCATATAC	AGGGTCCCTG	GCCAGTGGAC	480
TGAAGGCTTT	GTCTAAAGATG	ACAAGGGTCA	GCTCAGGGGA	TGTGGGGAG	GGCGGTTTTA	540
TCTTCCCCCT	TGTCCTTGA	GGTTTGATC	TCTGGGTAAA	GAGGCCGTTT	ATCTTGTAA	600
ACACGAAACA	TTTTGCTTT	CTCAAGTTTT	CTGTTAATGG	CGAAAGAATG	GAAGCGAATA	660
AAGTTTTACT	GATTTTGAG	ACACTAGACT	CGAG			694

(2) INFORMATION FOR SEQ ID NO:1509:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 490 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1509:

GAATTGGCC	TTCATGGCCT	AATGAGGTTC	TATCTAGAGG	TGATGGGAGA	CACTGACAGA	60
TCATCAGGCA	TTAGATTCTC	ATAAGGACTG	CGCAACCTAG	ATCCCTTGAA	TGAACAGTTC	120
ACAATAGGT	TCACTCTCCA	ATGAGAATCT	AATGCTGCCG	CTGATCTGAC	AGGTGCCAGA	180
GCTCAGGCCG	TAATACGAGA	GGCTGGAGAT	ACAGATAAAG	CTTCAGTTGC	TTGCCCGCCA	240
CTTACCTCCT	CTTGTGCGGC	CCAGTTCTA	ACAGGCCACA	GACCGCTACC	AGTCCATGGC	300
CTGGAAAGTTG	GGGACCCCTC	TACTGGGATA	TTTATAATTG	CATATGTGGT	TACCTAATAT	360
TTCCATGATA	CAACACTGGT	CTAGATTCTA	GGCCATTCTC	CTTCAAAAG	AACCCGTCTT	420
CCTTACAGTT	TTACTGTTTA	GCAGCAATGT	TTTCTACCCC	TTCTTAAAAT	TTTCAGGCCAC	480
					CACACTCGAG	490

(2) INFORMATION FOR SEQ ID NO:1510:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 313 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1510:

GAATTGGCC	TTCATGGCCT	ACTCTCTCAT	TCCTACCCCTC	CTCCCTCTCA	CTCACGCTCC	60
TCCCAATCCC	CAAGGTCTCTC	TCATCCCCAC	CTTCCTCCCT	TCCTCTCTC	ACGCTCTCC	120
CTATCCCCGA	GCTCCTCTCT	CATCCTTACCC	CTCCTCCCTC	CCACTCACGC	TCCTCCCAAT	180
CCCCAAGGTC	CTCTCATTCC	CACCTTCTCTC	CCTTCCTCTC	CTCACGCTCC	TCCCTATCCC	240
CGAGCTCTC	TCTCACTCCC	TCCCTCCCTCT	CATGCTCCTC	CCCCCTCTCC	TCATGCTCCT	300
CCCCATCCTC	GAG					313

(2) INFORMATION FOR SEQ ID NO:1511:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 354 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1511:

GCCGGGTGGG	CGGGAGGTGG	CGCGGCCGCA	CGGCTTTGTT	CGGGAAAGCC	CTTAGGTGGA	60
GAGCCATGTG	GGGCGCGGCCA	GGGGGATCGC	GTAGAGGAAC	CTTCGCGCAC	CGCCCTCTCG	120
GGTCTGGAA	TCTGCTGAAC	TCCCTGCCCTC	TCTTGGGGTC	CCTCGAACGC	CCCAAGCTAAG	180
AAGGGCGGGG	GCCTTGCCAG	GGCGCGAGCA	ACATGACGTT	CAAGGCTCTTC	CTGTGGCTTC	240
TGTAAAGAAA	TGTTCACGTG	GGAGCCTGTC	CACATGGGCT	GTACTAAGGA	TCTGGCACGA	300
GGAAGAAATA	TCACTGCAGA	ACCTGAAGCC	CTCCGTTGGA	AGGGTCACCT	CGAG	354

(2) INFORMATION FOR SEQ ID NO:1512:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 407 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1512:

GAATTCTGGCC	AAAGAGGGCCT	AGAGCGAGCTT	GGCTAAAAGT	AAGGGTGTGCG	TGCTGATGGC	60
CCTGTGCGCA	CTGACCCCGCG	CTCTGCGCTC	TCTGAACCTG	GCGCCCGGA	CCGTCGCCGC	120
CCCTGCCCG	AGTCTGTTCC	CCGCCGCCCA	GATGATGAAC	AATGGCTTCC	TCCAACAGCC	180
CTCTGCGCTT	ATGGTGTCTCC	CCTGCCGCCCA	AGTTCTTACT	TCTGTGCCCC	TTAATGCCAA	240
CTTTGTGTCC	TGGAAGAGTC	GTACCAAGTA	CACCAATTACA	CCAGTGAAGA	TGAGGAAGTC	300
TGGGGGCCGA	GACCACACAG	GTGGGAACAA	GGACAGGGGG	ATTAAAGCAG	TCAAAAGGAA	360
AAACATGTAA	AGACCCCTAGA	CTTGTATATT	GACACACAGA	ACTCGAG		407

(2) INFORMATION FOR SEQ ID NO:1513:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 422 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1513:

GAATTCTGGCC	AAAGAGGGCCT	ACATTCTATAC	AATTACAGAA	TTCAAAATTATT	GCAAAAGGAT	60
GTGTGTCTTT	CTCCCCGAGC	TCCCCGTTC	CCCTTCATTC	AAAACCCACCA	CGGTGCCATC	120
TCTTGTGTAT	GCAGGGCTAT	GCACCTGAG	GCACGTGTGT	ATGCACTCCC	CGCTTGTGTT	180
TACACAAGCT	GTGGGGTGT	ACGATGCCT	GCTTTTTCA	CTTAATAATA	CAGCTTGGAG	240
AGATTTTGT	ATCACATTAT	AAATCCCACT	CGCTCTTTT	GATGGCCACA	TAATAACTAC	300
TGCATAATAT	GGATACGCCT	TATTTGATTT	AACTAGTTCC	CTAATGATGG	ACTTTTAAGT	360
TGTTTCTTT	TTTTTCTTT	TTTGCTACTG	CAAACGATGC	TATCTAGGCC	TCTTTGGCCG	420
AA						422

(2) INFORMATION FOR SEQ ID NO:1514:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 485 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1514:

GAATTCTGGCC	AAAGAGGGCCT	ATGGAAATTG	AAGACCTGAT	GTGGAGGGAG	ATGAGGGAAA	60
CTCTTAAAAA	TGACCTAAAAA	GCAGTTTTAG	GAGGAAAAGC	TACAATACCT	GAGGTAAAGA	120
ATTCAGAGAA	CTCCAGTAGT	AGGACAGAGT	TTCAGCAAAT	AATCAATTAA	GCATTACAAA	180
AAACAGGGAT	GGTAGGGAAA	ATAGAAGGG	AAAACCTCTAA	AATAGGTGAT	GATAATGAAA	240
ATTTAACCTT	TAAATTAGAA	GTAAATGAGC	TGAGTGTAA	ATTAGACAAC	ACTAACGAAT	300
ACAATAGTAA	TGATGGTAAG	AAATTACCCC	AGGGTGAATC	ACGAAGTTAC	GAAGTCATGG	360
GAAGTATGGA	AGAAACCTTA	TGCAATATAG	ATGACAGAGA	TGGAAATCGC	AATGTCCATT	420
TAGAATTTC	AGAAAAGAGAG	AGTAGGAAGG	ATGGAGAGGA	TGAATTGTGTC	AAAGAAAAC	480

TCGAG

485

(2) INFORMATION FOR SEQ ID NO:1515:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 400 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1515:

GAATTCCGCC	AAAGAGGCCT	AGGCACAGAA	GGGTGGTAGAG	TGTGATCAAA	TCTAGTCTCA	60
CTCCCACTTT	TTAGTCTCAC	TCCTACTTTT	GTCCACCACC	CAGGCACCGA	GAGAAAGGAA	120
TGTTTAGCAC	AAGACACAGC	GGAGCTCGGG	ATTGGCTAA	CTCCCATAGT	ATTTATGGTG	180
GCGCGCCGG	GGGGCCCCAG	CCCAAGCTTGC	AGGCCACCTC	TAGCTTTCTT	CCTACCCAT	240
TCCCGGCTTC	CCTCCCTCCTC	CCCTGCAGCC	TGGTTAGGTG	GATACCTGCC	CTGACATGTG	300
AGGCAAGCTA	AGGCCTGGAG	GGTCAGATGG	GAGACCAGGT	CCCAAGGGAG	CAAGACCTCG	360
CGAAGCGCAG	CAGCCCCGGC	CCTAGGCCTC	TTTGGCCGAA			400

(2) INFORMATION FOR SEQ ID NO:1516:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 145 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1516:

GAATTCGCG	CCCGCGTCGAC	GTCGACGCGG	CCGCGAATTG	GGCCAAAGAG	GCCTACCCAT	60
CTCAATCAAG	ATGGGTGATT	ATGAAATGCC	AGACTTCTAA	AATAAATGTT	TTGGAATTCA	120
ATGGGTAAAT	AAATGCTGGC	TCGAG				145

(2) INFORMATION FOR SEQ ID NO:1517:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 277 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1517:

GCTGGACCTC	CTGTGCAAGA	ACATGAAACA	GCTGTGGTTC	TTCCTTCTCC	TGGTGGCAGC	60
TCCCAGATCG	GTTCCTGTCCC	AGGTGCAGCT	GCGGGAGTCG	GGCCCAGGAC	TGGTGAAGCC	120
TTCGGAGACC	CTGTCCCTCA	CCTGCACTGT	CTCTGGTACT	TCCGTAGAA	GTGTTAGTTA	180
CGACTGGAGT	TGGCTCCGGC	AGTCCCCGGG	GAAGGGACTG	GAGTGGCTTG	GAGAGATTGA	240
TTACAGGGGG	AGAGGCAATT	ACACCCCGTC	CCTCGAG			277

(2) INFORMATION FOR SEQ ID NO:1518:

- (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 161 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1518:

GAATTCTGGCC AAAGAGGCCT ACTCATGCAC CTAATTGGAT CCTATCTTG TGTGTTAGC	60
TGTTTATTAT GCAGACTTTA TTATGTGGTT GTTTTATACT GTCCATAACC TATGTACTTA	120
AGTTTGTGTT TGTGGTGGCG CTTCCAATTA GGGCTCTCGA G	161

(2) INFORMATION FOR SEQ ID NO:1519:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 561 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1519:

GAATTCTGGCC TTCATGGCCT AATATAAAAC AATGTTTTTC AAGGCATTAT ATAATAGGCT	60
AAGGACAGTG ACCTCCAAGA GACAGCAAC AAGGTAATAC CTGTGACTGC TCCAGCTTAC	120
TGCCCTGAGA GAATTAATAG TAGGTTGTG GTACAGGGAG GGAGAAATCCA GTCAGAGGCC	180
AGCGGACTTG CTGAATTAAG GAAATGGAGC TGAGAGTCCA GAGAGACCAA CATGGCTAAA	240
GTTGTCATGA CAGAGCACTC AGAACTAGAG AGCTGCACAG CAACATAACC TAAGAGCTCT	300
GAAGATAATC TCCCTCAAAT ACTCAGCTGA CTACTGATCA ACATATATGT GTGAGGAAGC	360
TATCTGAGGC TGACAAAGAA CTGCTGAAAG AGATTAGAGG GAACAGTACT TGGCACTCAC	420
ACAGAATTGG AACTGTACC TGTTCCCACC AGCCAAACTG GAAAACCTC AGGATTCTAG	480
GGGTACTCAG AAAGGACTTG CATCAGGTAT GGGGAATAAT TAGCCCTAGA CAGAGCACTG	540
CTCTAATCCC ATCCACTCGA G	561

What is claimed is:

1. An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of:

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or a complement of said sequence.

2. An isolated polynucleotide consisting of a nucleotide sequence selected from the group consisting of:

SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16, SEQ ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, SEQ ID NO:22, SEQ ID NO:23, SEQ ID NO:24, SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27, SEQ ID NO:28, SEQ ID NO:29, SEQ ID NO:30, SEQ ID NO:31, SEQ ID NO:32, SEQ ID NO:33, SEQ ID NO:34, SEQ ID NO:35, SEQ ID NO:36, SEQ ID NO:37, SEQ ID NO:38, SEQ ID NO:39, SEQ ID NO:40, SEQ ID NO:41, SEQ ID NO:42, SEQ ID NO:43, SEQ ID NO:44, SEQ ID NO:45, SEQ ID NO:46, SEQ ID NO:47, SEQ ID NO:48, SEQ ID NO:49, SEQ ID NO:50, SEQ ID NO:51, SEQ ID NO:52, SEQ ID NO:53, SEQ ID NO:54, SEQ ID NO:55, SEQ ID NO:56, SEQ ID NO:57, SEQ ID NO:58, SEQ ID NO:59, SEQ ID NO:60, SEQ ID NO:61, SEQ ID NO:62, SEQ ID NO:63, SEQ ID NO:64, SEQ ID NO:65, SEQ ID NO:66, SEQ ID NO:67, SEQ ID NO:68, SEQ ID NO:69, SEQ ID NO:70, SEQ ID NO:71, SEQ ID NO:72, SEQ ID NO:73, SEQ ID NO:74, SEQ ID NO:75, SEQ ID NO:76, SEQ ID NO:77, SEQ ID NO:78, SEQ ID NO:79, SEQ ID NO:80, SEQ

ID NO:81, SEQ ID NO:82, SEQ ID NO:83, SEQ ID NO:84, SEQ ID NO:85, SEQ ID NO:86, SEQ ID NO:87, SEQ ID NO:88, SEQ ID NO:89, SEQ ID NO:90, SEQ ID NO:91, SEQ ID NO:92, SEQ ID NO:93, SEQ ID NO:94, SEQ ID NO:95, SEQ ID NO:96, SEQ ID NO:97, SEQ ID NO:98, SEQ ID NO:99, SEQ ID NO:100, SEQ ID NO:101, SEQ ID NO:102, SEQ ID NO:103, SEQ ID NO:104, SEQ ID NO:105, SEQ ID NO:106, SEQ ID NO:107, SEQ ID NO:108, SEQ ID NO:109, SEQ ID NO:110, SEQ ID NO:111, SEQ ID NO:112, SEQ ID NO:113, SEQ ID NO:114, SEQ ID NO:115, SEQ ID NO:116, SEQ ID NO:117, SEQ ID NO:118, SEQ ID NO:119, SEQ ID NO:120, SEQ ID NO:121, SEQ ID NO:122, SEQ ID NO:123, SEQ ID NO:124, SEQ ID NO:125, SEQ ID NO:126, SEQ ID NO:127, SEQ ID NO:128, SEQ ID NO:129, SEQ ID NO:130, SEQ ID NO:131, SEQ ID NO:132, SEQ ID NO:133, SEQ ID NO:134, SEQ ID NO:135, SEQ ID NO:136, SEQ ID NO:137, SEQ ID NO:138, SEQ ID NO:139, SEQ ID NO:140, SEQ ID NO:141, SEQ ID NO:142, SEQ ID NO:143, SEQ ID NO:144, SEQ ID NO:145, SEQ ID NO:146, SEQ ID NO:147, SEQ ID NO:148, SEQ ID NO:149, SEQ ID NO:150, SEQ ID NO:151, SEQ ID NO:152, SEQ ID NO:153, SEQ ID NO:154, SEQ ID NO:155, SEQ ID NO:156, SEQ ID NO:157, SEQ ID NO:158, SEQ ID NO:159, SEQ ID NO:160, SEQ ID NO:161, SEQ ID NO:162, SEQ ID NO:163, SEQ ID NO:164, SEQ ID NO:165, SEQ ID NO:166, SEQ ID NO:167, SEQ ID NO:168, SEQ ID NO:169, SEQ ID NO:170, SEQ ID NO:171, SEQ ID NO:172, SEQ ID NO:173, SEQ ID NO:174, SEQ ID NO:175, SEQ ID NO:176, SEQ ID NO:177, SEQ ID NO:178, SEQ ID NO:179, SEQ ID NO:180, SEQ ID NO:181, SEQ ID NO:182, SEQ ID NO:183, SEQ ID NO:184, SEQ ID NO:185, SEQ ID NO:186, SEQ ID NO:187, SEQ ID NO:188, SEQ ID NO:189, SEQ ID NO:190, SEQ ID NO:191, SEQ ID NO:192, SEQ ID NO:193, SEQ ID NO:194, SEQ ID NO:195, SEQ ID NO:196, SEQ ID NO:197, SEQ ID NO:198, SEQ ID NO:199, SEQ ID NO:200, SEQ ID NO:201, SEQ ID NO:202, SEQ ID NO:203, SEQ ID NO:204, SEQ ID NO:205, SEQ ID NO:206, SEQ ID NO:207, SEQ ID NO:208, SEQ ID NO:209, SEQ ID NO:210, SEQ ID NO:211, SEQ ID NO:212, SEQ ID NO:213, SEQ ID NO:214, SEQ ID NO:215, SEQ ID NO:216, SEQ ID NO:217, SEQ ID NO:218, SEQ ID NO:219, SEQ ID NO:220, SEQ ID NO:221, SEQ ID NO:222, SEQ ID NO:223, SEQ ID NO:224, SEQ ID NO:225, SEQ ID NO:226, SEQ ID NO:227, SEQ ID NO:228, SEQ ID NO:229, SEQ ID NO:230, SEQ ID NO:231, SEQ ID NO:232, SEQ ID NO:233, SEQ ID NO:234, SEQ ID NO:235,

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or a complement of said sequence.

3. An isolated polynucleotide consisting essentially of a nucleotide sequence selected from the group consisting of:

SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID

NO:11, SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16, SEQ ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, SEQ ID NO:22, SEQ ID NO:23, SEQ ID NO:24, SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27, SEQ ID NO:28, SEQ ID NO:29, SEQ ID NO:30, SEQ ID NO:31, SEQ ID NO:32, SEQ ID NO:33, SEQ ID NO:34, SEQ ID NO:35, SEQ ID NO:36, SEQ ID NO:37, SEQ ID NO:38, SEQ ID NO:39, SEQ ID NO:40, SEQ ID NO:41, SEQ ID NO:42, SEQ ID NO:43, SEQ ID NO:44, SEQ ID NO:45, SEQ ID NO:46, SEQ ID NO:47, SEQ ID NO:48, SEQ ID NO:49, SEQ ID NO:50, SEQ ID NO:51, SEQ ID NO:52, SEQ ID NO:53, SEQ ID NO:54, SEQ ID NO:55, SEQ ID NO:56, SEQ ID NO:57, SEQ ID NO:58, SEQ ID NO:59, SEQ ID NO:60, SEQ ID NO:61, SEQ ID NO:62, SEQ ID NO:63, SEQ ID NO:64, SEQ ID NO:65, SEQ ID NO:66, SEQ ID NO:67, SEQ ID NO:68, SEQ ID NO:69, SEQ ID NO:70, SEQ ID NO:71, SEQ ID NO:72, SEQ ID NO:73, SEQ ID NO:74, SEQ ID NO:75, SEQ ID NO:76, SEQ ID NO:77, SEQ ID NO:78, SEQ ID NO:79, SEQ ID NO:80, SEQ ID NO:81, SEQ ID NO:82, SEQ ID NO:83, SEQ ID NO:84, SEQ ID NO:85, SEQ ID NO:86, SEQ ID NO:87, SEQ ID NO:88, SEQ ID NO:89, SEQ ID NO:90, SEQ ID NO:91, SEQ ID NO:92, SEQ ID NO:93, SEQ ID NO:94, SEQ ID NO:95, SEQ ID NO:96, SEQ ID NO:97, SEQ ID NO:98, SEQ ID NO:99, SEQ ID NO:100, SEQ ID NO:101, SEQ ID NO:102, SEQ ID NO:103, SEQ ID NO:104, SEQ ID NO:105, SEQ ID NO:106, SEQ ID NO:107, SEQ ID NO:108, SEQ ID NO:109, SEQ ID NO:110, SEQ ID NO:111, SEQ ID NO:112, SEQ ID NO:113, SEQ ID NO:114, SEQ ID NO:115, SEQ ID NO:116, SEQ ID NO:117, SEQ ID NO:118, SEQ ID NO:119, SEQ ID NO:120, SEQ ID NO:121, SEQ ID NO:122, SEQ ID NO:123, SEQ ID NO:124, SEQ ID NO:125, SEQ ID NO:126, SEQ ID NO:127, SEQ ID NO:128, SEQ ID NO:129, SEQ ID NO:130, SEQ ID NO:131, SEQ ID NO:132, SEQ ID NO:133, SEQ ID NO:134, SEQ ID NO:135, SEQ ID NO:136, SEQ ID NO:137, SEQ ID NO:138, SEQ ID NO:139, SEQ ID NO:140, SEQ ID NO:141, SEQ ID NO:142, SEQ ID NO:143, SEQ ID NO:144, SEQ ID NO:145, SEQ ID NO:146, SEQ ID NO:147, SEQ ID NO:148, SEQ ID NO:149, SEQ ID NO:150, SEQ ID NO:151, SEQ ID NO:152, SEQ ID NO:153, SEQ ID NO:154, SEQ ID NO:155, SEQ ID NO:156, SEQ ID NO:157, SEQ ID NO:158, SEQ ID NO:159, SEQ ID NO:160, SEQ ID NO:161, SEQ ID NO:162, SEQ ID NO:163, SEQ ID NO:164, SEQ ID NO:165, SEQ ID NO:166, SEQ ID NO:167, SEQ ID NO:168, SEQ ID NO:169, SEQ ID NO:170, SEQ ID NO:171, SEQ ID NO:172,

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or a complement of said sequence.

4. An isolated polynucleotide comprising a nucleotide sequence which hybridizes to a sequence selected from the group consisting of:

SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16, SEQ ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, SEQ ID NO:22, SEQ ID NO:23, SEQ ID NO:24, SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27, SEQ ID NO:28, SEQ ID NO:29, SEQ ID NO:30, SEQ ID NO:31, SEQ ID NO:32, SEQ ID NO:33, SEQ ID NO:34, SEQ ID NO:35, SEQ ID NO:36, SEQ ID NO:37, SEQ ID NO:38, SEQ ID NO:39, SEQ ID NO:40, SEQ ID NO:41, SEQ ID NO:42, SEQ ID NO:43, SEQ ID NO:44, SEQ ID NO:45, SEQ ID NO:46, SEQ ID NO:47, SEQ ID NO:48, SEQ ID NO:49, SEQ ID NO:50, SEQ ID NO:51, SEQ ID NO:52, SEQ ID NO:53, SEQ ID NO:54, SEQ ID NO:55, SEQ ID NO:56, SEQ ID NO:57, SEQ ID NO:58, SEQ ID NO:59, SEQ ID NO:60, SEQ ID NO:61, SEQ ID NO:62, SEQ ID NO:63, SEQ ID NO:64, SEQ ID NO:65, SEQ ID NO:66, SEQ ID NO:67, SEQ ID NO:68, SEQ ID NO:69, SEQ ID NO:70, SEQ ID NO:71, SEQ ID NO:72, SEQ ID NO:73, SEQ ID NO:74, SEQ ID NO:75, SEQ ID NO:76, SEQ ID NO:77, SEQ ID NO:78, SEQ ID NO:79, SEQ ID NO:80, SEQ ID NO:81, SEQ ID NO:82, SEQ ID NO:83, SEQ ID NO:84, SEQ ID NO:85, SEQ ID NO:86, SEQ ID NO:87, SEQ ID NO:88, SEQ ID NO:89, SEQ ID NO:90, SEQ ID NO:91, SEQ ID NO:92, SEQ ID NO:93, SEQ ID NO:94, SEQ ID NO:95, SEQ ID NO:96, SEQ ID NO:97, SEQ ID NO:98, SEQ ID NO:99, SEQ ID NO:100, SEQ ID NO:101, SEQ ID NO:102, SEQ ID NO:103, SEQ ID NO:104, SEQ ID NO:105, SEQ ID NO:106, SEQ ID NO:107, SEQ ID NO:108, SEQ ID NO:109,

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or to a complement of said sequence.

5. An isolated protein encoded by an isolated polynucleotide of claim 1.
6. An isolated protein encoded by an isolated polynucleotide of claim 2.
7. An isolated protein encoded by an isolated polynucleotide of claim 3.
8. An isolated protein encoded by an isolated polynucleotide of claim 4.